User's Manual

765DBI

Bluetooth®-Enabled
Solid State MP3-Compatible
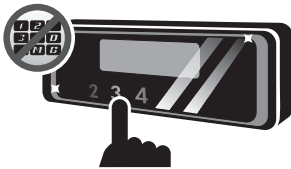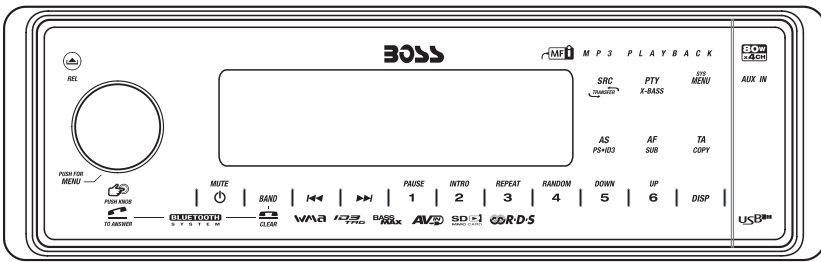**In-Dash Receiver**
with Built-In iPod Docking station
with USB and SD Memory Card Ports
and Front Panel AUX Input

RDS EUROPEAN FREQUENCY MODEL

BOSS®
AUDIO SYSTEMS

BUTTON LESS TOUCH PAD PANEL

This radio is equipped with the most advanced "TOUCH SENSE PANEL", so that it is easy and convenient to use while driving.

Tips Tips; Here are some tips to show you how easy it is to use this touch sense panel:

● Using a very light touch on the radio panel will activate that feature. You will not need to "PRESS" hard on the panel to make this radio change features.

● The power button along with some of the buttons that have dual functions, will need to be "TOUCHED" from 2 to 3 seconds to make the change.

● The best area to "TOUCH" on the panel to make it activate is the illuminated or lighted area. For example, just touch for 2 to 3 seconds the illuminated power symbol and the unit will turn on or off.

1. INSTALLATION

- Before finally installing the unit, connect the wiring temporarily and make sure it is all connected up properly and the unit and system work properly.
- Use only the parts included with the unit to ensure proper installation. The use of unauthorized parts can cause malfunctions.
- Consult with your nearest dealer if installation requires the drilling of holes or other modifications of the vehicle.
- Install the unit where it does not get in the driver's way and cannot injure the passenger if there is a sudden stop, like an emergency stop.
- If installation angle exceeds 30° from horizontal, the unit might not give its optimum performance.

30°
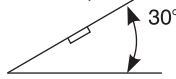
- Avoid installing the unit where it would be subject to high temperature, such as from direct sunlight, or from hot air, from heater, or where it would be subject to dust dirt or excessive vibration.
- Be sure to remove the front panel before installing the unit.

DIN FRONT/REAR-MOUNT

This unit can be property installed either from "Front" (conventional DIN Front-mount) or "Rear"(DIN Rear-mount installation, utilizing threaded screw holes at the sides of the unit chassis). For details, refer to the following illustrated installation methods A and B.
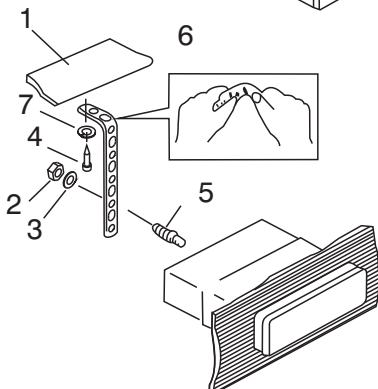
DIN FRONT-MOUNT (Method A)

Installation the unit
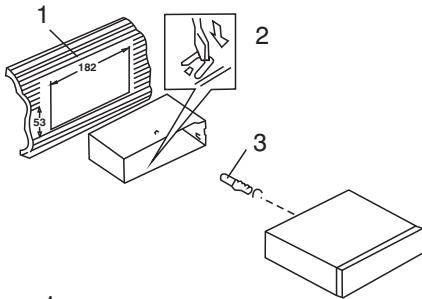
1. Dashboard
2. Holder
   After inserting the half sleeve into the dashboard, select the appropriate tab according to the thickness of the dashboard material and bend them inwards to secure the holder in place.
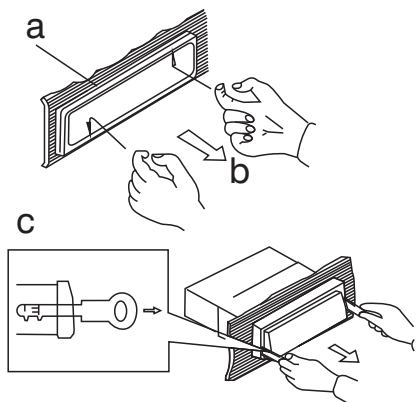3. Screw

1. Dashboard
2. Nut (5mm)
3. Spring washer
4. Screw (4x12mm)
5. Screw
6. Support Strap
   Be sure to use the support strap to secure the back of the unit in place. The strap can be bent by hand to the desired angle.
7. Plain washer

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Removing the unit

a. Frame
b. Insert fingers into the groove in the front of frame and pull out to remove the frame. (When re-attaching the frame, point the side with a groove down wards and attach it.)
c. Insert the levers supplied with the unit into the grooves at both sides of the unit as shown in figure until they click. Pulling the levers makes it possible to remove the unit from the dashboard.
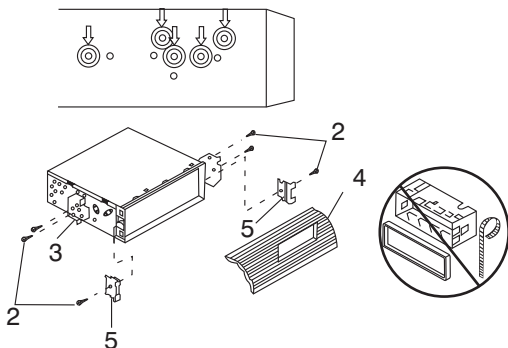
Trim Plate Installation:

Push the trim plate against the chassis until it is fitted.
You must do this before you install the front panel, otherwise it can't be attached.

DIN REAR-MOUNT (METHOD B)

Installation using the screw holes on the sides of the unit.
Fastening the unit to the factory radio mounting bracket.

1. Select a position where the screw holes of the bracket and the screw holes of the main unit become aligned (are fitted) and tighten the screws at 2 places on each side.
2. Screw
3. Factory radio mounting bracket.
4. Dashboard or Console
5. Hook (Remove this part)

Note: the mounting box, outer trim ring, and half-sleeve are not used for method B installation.
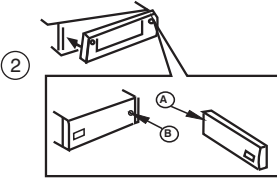
3

2. DETACHABLE CONTROL PANEL (D.C.P.)

Removing The Detachable Control Panel (D.C.P.).

PANEL RELEASE BUTTON

1. Turn the power off
2. Press the D.C.P. release button
3. Remove the D.C.P.

Attaching the DCP

1. Attach the panel at the right side first, with point B on the main unit touching point A on the D.C.P. (As shown on the diagram).
2. Then press the left side of D.C.P. onto the main unit until a "click" sound is heard.

CAUTION

- DO NOT insert the D.C.P from the left side. Doing so may damage it.
- The D.C.P can easily be damaged by shocks. After removing it, place it in a protective case and be careful not to drop it or subject it to strong shocks.
- When the release button is pressed and the D.C.P is unlocked, the car's vibrations may cause it to fall. To prevent damage to the D.C.P, always store it in a protective case after detaching it.
- The rear connector that connects the main unit and the D.C.P is an extremely important part. Be careful not to damage it by pressing on it with fingernails, pens, screwdrivers, etc.
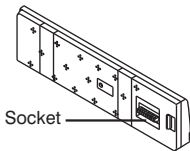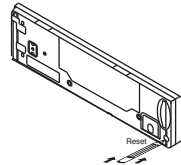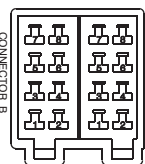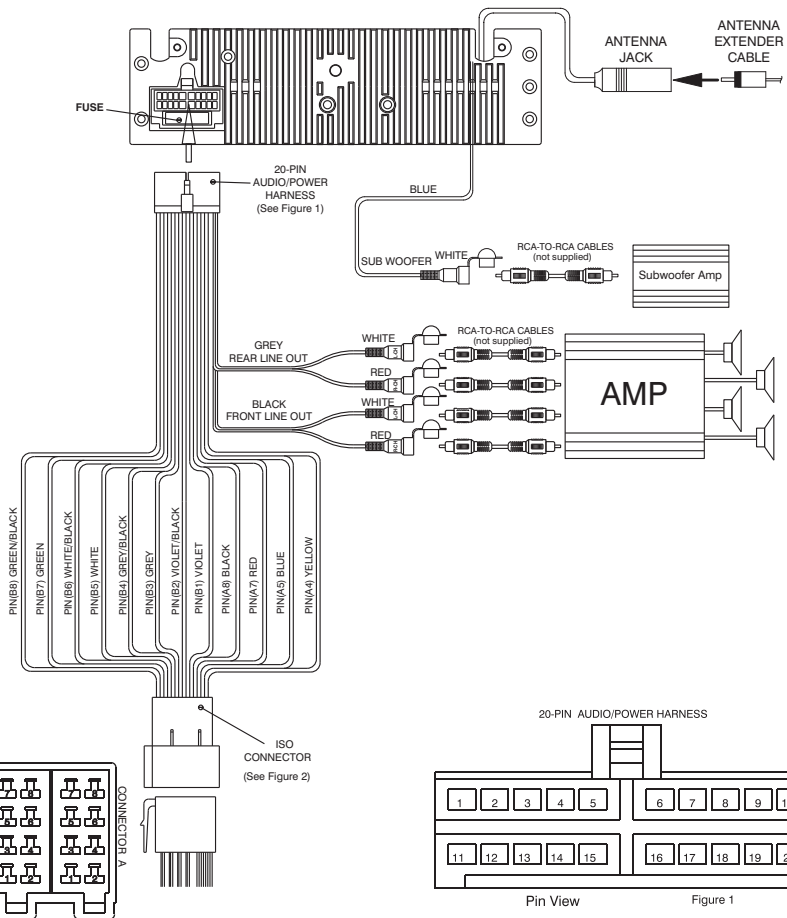
Socket

Note:

If the D.C.P is dirty, wipe off the dirt with soft, dry cloth only. And use a cotton swab soaked in isopropyl alcohol to clean the socket on the back of the D.C.P.

RESETTING THE UNIT:

- After releasing the front panel, use a pencil or any non-metalic object to press & hold the reset button for five seconds to reset the unit.

Reset

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3. WIRING DIAGRAM (20 PIN + ISO PLUG)

FUSE

ANTENNA JACK

ANTENNA EXTENDER CABLE

20-PIN AUDIO/POWER HARNESS (See Figure 1)

BLUE

SUB WOOFER WHITE

RCA-TO-RCA CABLES (not supplied)

Subwoofer Amp

GREY REAR LINE OUT

WHITE

RED

RCA-TO-RCA CABLES (not supplied)

BLACK FRONT LINE OUT

WHITE

RED

AMP

PIN(B8) GREEN/BLACK
PIN(B7) GREEN
PIN(B6) WHITE/BLACK
PIN(B5) WHITE
PIN(B4) GREY/BLACK
PIN(B3) GREY
PIN(B2) VIOLET/BLACK
PIN(B1) VIOLET
PIN(A8) BLACK
PIN(A7) RED
PIN(A5) BLUE
PIN(A4) YELLOW

ISO CONNECTOR (See Figure 2)

CONNECTOR B

CONNECTOR A

Figure 2

ISO CONNECTOR 4PIN+8PIN FEMALE WITH MALE TERMINAL

20-PIN AUDIO/POWER HARNESS

| 1 | 2 | 3 | 4 | 5 | | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | | 16 | 17 | 18 | 19 | 20 |

Pin View

Figure 1

ISO CONNECTOR WIRING CHART

PIN	WIRE COLOR	FUNCTION/LABEL
A4	YELLOW	CONSTANT 12 VOLTS
A5	BLUE	POWER ANTENNA/REMOTE TURN ON
A7	RED	IGNITION(ACC)
A8	BLACK	GROUND
B1	VIOLET	RIGHT REAR SPEAKER (+)
B2	VIOLET/BLACK	RIGHT REAR SPEAKER (-)
B3	GREY	RIGHT FRONT SPEAKER (+)
B4	GREY/BLACK	RIGHT FRONT SPEAKER (-)
B5	WHITE	LEFT FRONT SPEAKER (+)
B6	WHITE/BLACK	LEFT FRONT SPEAKER (-)
B7	GREEN	LEFT REAR SPEAKER (+)
B8	GREEN/BLACK	LEFT REAR SPEAKER (-)
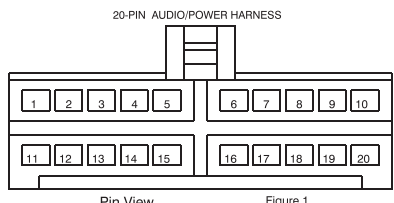
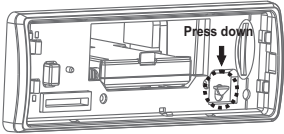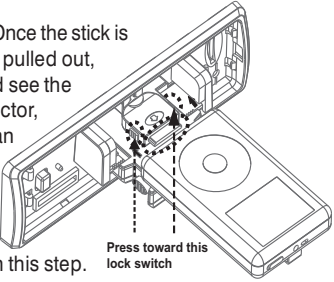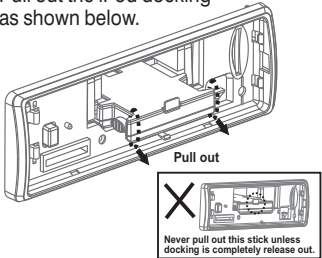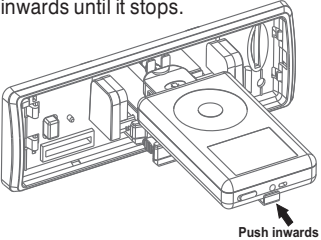| PIN	WIRE COLOR	FUNCTION/LABEL
1	GREY/BLACK	RIGHT FRONT SPEAKER (-)
2	GREY	RIGHT FRONT SPEAKER (+)
3	VIOLET	RIGHT REAR SPEAKER (+)
4	VIOLET/BLACK	RIGHT REAR SPEAKER (-)
5		
6	GREEN	LEFT REAR SPEAKER (+)
7	GREEN/BLACK	LEFT REAR SPEAKER (-)
8	RED	IGNITION(ACC)
9	BLACK	REAR PRE-AMP LINE OUT COMMON
10	RED	RIGHT REAR PRE-AMP LINE OUT
11	WHITE	LEFT FRONT SPEAKER (+)
12	WHITE/BLACK	LEFT FRONT SPEAKER (-)
13		
14	BLUE	POWER ANTENNA/REMOTE TURN ON
15	YELLOW	CONSTANT 12 VOLTS
16	BLACK	CHASSIS GROUND
17	WHITE	LEFT FRONT PRE-AMP LINE OUT
18	RED	RIGHT FRONT PRE-AMP LINE OUT
19	BLACK	FRONT PRE-AMP LINE OUT COMMON
20	WHITE	LEFT REAR PRE-AMP LINE OUT

5

4. CONTROL PANEL FUNCTION
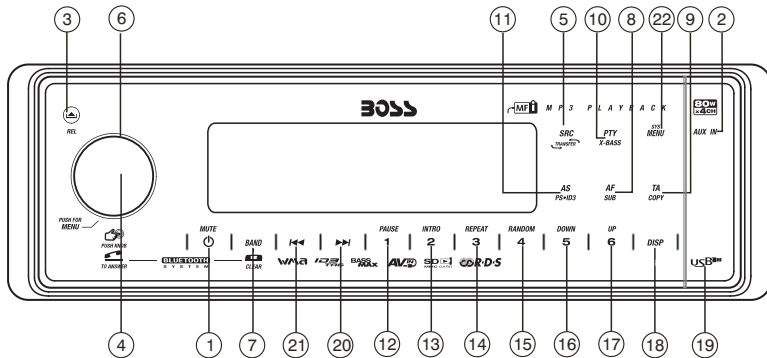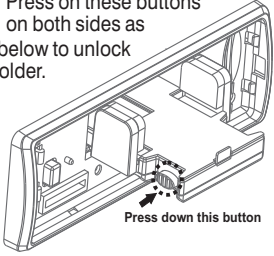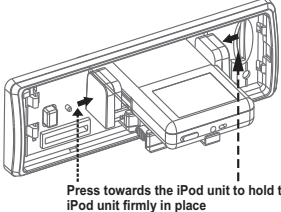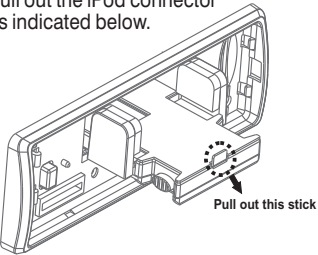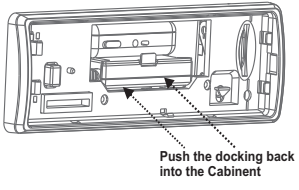
OPERATIONS:

KEY	SYSTEM		TUNER		MP3/WMA		BLUETOOTH		iPod	
	Short Press	Long Press	Short Press	Long Press	Short Press	Long Press	Short Press	Long Press	Short Press	Long Press
1	Mute	Power								
2	3.5mm AUX In jack									
3	Panel release button									
4		Audio Menu			Enter		Phone Answer•Dial			
5	Mode						Dial	Call Transfer		
6	Encoder Volume									
7			Band		File/Folder Search	File Erase	Clear		iPod Search	
8		Sub-W	AF							
9		Copy	TA							
10		ix-Bass	PTY							
11			PS	AS	ID3				iPod informati on	
12			M1	Memory 1	Pause /Play				Pause /Play	
13			M2	Memory 2	Intro	Folder Intro				
14			M3	Memory 3	Repeat	Folder Repeat			Repeat	Album Repeat
15			M4	Memory 4	Random	Fol der Rando m			Shuffle	Album Shuffle
16			M5	Memory 5	Folder Down					
17			M6	Memory 6	Folder Up					
18	Display									
19	USB Cover / Socket									
20			Seek Up	Tune Up	Track/File Up	Fast Forward			File Up	Fast Forward
21			Seek Down	Tune Down	Track/File Down	Fast Backward			File Down	Fast Backward
22	System Menu									

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5. iPod OPERATION

INSTALLING iPod INTO THE BUILT-IN iPod DOCKING

Always follow the below steps to install the iPod into the docking station. Incorrect or improper installation may cause permanent damage to the docking or the iPod unit.

Step 1 Press down the button as indicated below to unlock the iPod docking.

Press down

Step 5 Once the stick is completely pulled out, user should see the iPod connector, and user can connect the iPod to the connector as shown in this step.

Press toward this lock switch

Step 2 Pull out the iPod docking as shown below.

Pull out

Never pull out this stick unless docking is completely release out.

Step 6 Push the stick & the connected iPod inwards until it stops.

Push inwards

Step 3 Press on these buttons on both sides as indicated below to unlock the iPod holder.

Press down this button

Step 7 Press the iPod holder on both sides to hold the iPod firmly in place.

Press towards the iPod unit to hold the iPod unit firmly in place

Step 4 Pull out the iPod connector as indicated below.

Pull out this stick

Step 8 Push the iPod docking inwards into the unit's cabinent until a click sound is heard.

Push the docking back into the Cabinent

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REMOVE iPod FROM THE BUILT-IN iPod DOCKING

To take out the iPod from the docking station, user can first detach the front panel, and repeat step 1 to step 8 to take out the iPod & return the iPod docking inside the unit's cabinent.
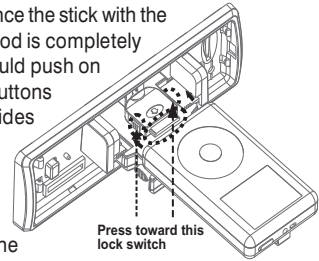
Step 1
Press the button as indicated below to unlock the iPod docking.

Press down
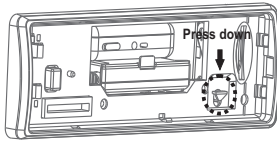
Step 5
Once the stick with the connected iPod is completely out, user should push on the locking buttons on the both sides of the iPod connector to release the iPod as indicated in the picture, and remove the iPod unit.

Press toward this lock switch

Step 2
Pull out the iPod docking as shown below.

Pull out

Never pull out this stick unless docking is release out.
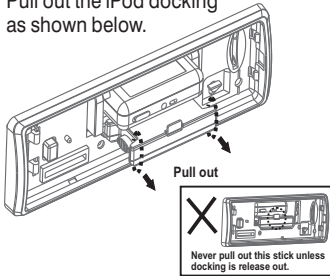
Step 6
Once the iPod unit is remove, push the stick backward into the iPod docking station until it stops.
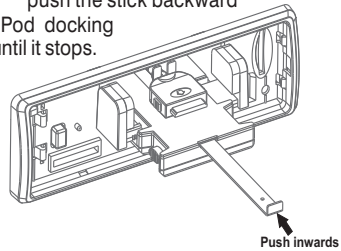
Push inwards

Step 3
Press on these buttons on both sides as indicated below to unlock the iPod holder.

Press down this button
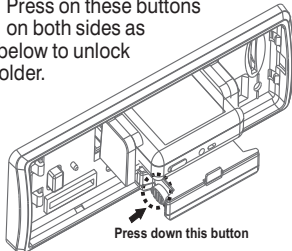
Step 7
Push on the iPod holders on both sides until they stop.

Press towards the iPod unit to hold the iPod unit firmly in place
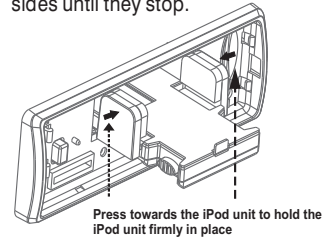
Step 4
Pull out the iPod connected as indicated below by pulling out the stick.
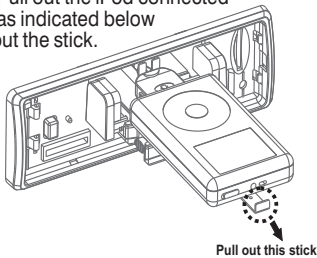
Pull out this stick

Step 8
Push the iPod docking inwards into the unit's cabinent until a click sound is heard.

Push the docking back to Cabinent
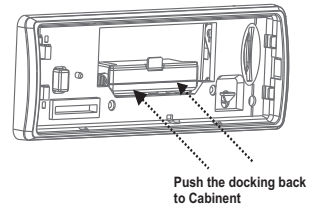
iPod FULL CONTROL / OPERATION

This unit is equipped with iPod Ready function which allow end user to have direct control of the iPod on the front panel control button and display iPod song information on the unit's LCD display. Please read below for more details operation.

iPod Compatibility Chart

This unit is support following iPod version

iPod 1G	Not Supported
iPod 2G	Not Supported
iPod 3G	Supported
iPod Mini	Supported
iPod 4G	Supported
iPod Photo	Supported
iPod Nano	Supported
iPod 5G(Video)	Supported
iPod Touch	Supported
iPhone	Not Supported
iPod Classic	All version

Audio Video File

This unit is **NOT ABLE** to playback any VIDEO FILE OR VIDEO ALBUM which contained in the iPod Video.

Turning iPod Power On and Off

The iPod power turns on automatically as soon as it is connected to the 30 Pin Connector and as long as the vehicle's ignition is turned ON. The iPod power can be turned OFF by removing the iPod from the 30 Pin Connector or if the vehicle's ignition is turned OFF. Under this condition the iPod will go into pause mode and goes into sleep mode about 2 minutes later.

NOTE While the iPod is connected, the power cannot be turned on or off from the iPod itself.

Tips " ☑ OK to disconnect " to disconnect will be shown in the iPod's display while it is connected to the unit .

iPod Battery Charging

While connected to the unit, the iPod will automatically start re-charging as long as the vehicle's ignition key is turn to ACC or ON.

Switch to iPod Mode

When the Head unit is power on and iPod is connected to the 30 pin connector, press the mode button to change to iPod mode and the unit will display ▓▓▓iPod▓▓▓ for a while then starts ◁◎▷ Reading the music files contained in the iPod and the playback will automatically start. Press Mode button repeatedly to change to other modes or switch back to iPod mode.

iPod information Display on the Head Unit LCD

This unit can display the Song, Artist, Album name and Elapsed time on the LCD display, these information can be displayed by pressing the AS/PS button repeatedly while a iPod Song file is playing.

Searching a Desire Song

Under iPod playback mode, press BAND to enter into the iPod Searching Mode. Pressing BAND button repeatedly to accesses the different searching methods as below :

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1) **Playlist**
2) **Artist**
3) **Album**
4) **Song**
5) **Genre**

Once selected the desire searching method, within 10 second press the AUDIO button as confirm & access into the searching mode, then turn the rotate encode volume knob to navigate thru the Album or Artist or Song contained in the iPod. Press the AUDIO button to confirm & play the selected song. During the searching mode, press AS/PS as quick move back to the last upper level of Album, Playlist, Genre, etc.

Song Select

Press the File UP (>>) or File DOWN (<<) button for less than one second to skip to the next or previous song. Press and Hold File UP (>>) or File DOWN (<<) button for more than 3 seconds to fast forward or fast reverse of the current song.

Song Repeat / Repeat All play :

Pressing the M3 button for more than 3 seconds during iPod playback mode for "REPEAT ALL". All songs of the current album will be kept on repeat playing until the "Repeat All" function is disabled. To disable current Album "REPEAT ALL" function, long press M3 button more than 3 seconds.

Press the M3 button for less than 3 seconds to "REPEAT PLAY" the current song. And keep on repeat playing the current song until the "REPEAT PLAY" function is disabled. To disable current song "REPEAT PLAY", press the M3 button less than 3 seconds.

Shuffle play: / Shuffle Album

Pressing the M4 button for more than 3 seconds during iPod playback mode to activate the "SHUFFLE ALBUM" function. This function allows RANDOM playback of all the albums contained on the iPod. To disable "SHUFFLE ALBUM" function, long press M4 button for more than 3 seconds.

Press the M4 button for less than 3 seconds during iPod playback mode to activate "SHUFFLE PLAY". This function allows the playback of all the songs in the iPod in random sequence. To disable "SHUFFLE PLAY", short press M4 button again for less than 3 seconds.

6. BASIC OPERATIONS

3) PANEL RELEASE BUTTON (REL)

Press this button to remove the control panel.

1) POWER ON/OFF BUTTON (⏻)

Press POWER button or any other button on the front of the radio   to turn the unit on. Press POWER button again to turn the unit off.

1) MUTE BUTTON (MUTE)

Press the mute button momentarily to mute the audio volume, and "Mute" will flash in the display. Press the mute button again to restore volume to the previous setting.

8) SUBWOOFER (SUB)

Pressing the SUB button to activate the Subwoofer function On, and "Subwoofer" will appear on the LCD display for 3 seconds. press the SUB button again to turn off the Subwoofer function.

10) iX-BASS BUTTON (X-Bass)

Pressing the iX-Bass button to turn on the iX-Bass function, and "iX-Bass" will appear in the LCD display for 3 seconds. Press the iX-Bass button again to turn off the iX-Bass function.

5) SOURCE BUTTON (SRC)

Press SRC button to select a different source of operation as indicated on the display panel. Available modes include Tuner, USB Host, SD/MMC, iPod and Aux - In.

2) FRONT PANEL AUX-IN JACK

Connect the external signal to AUX in jack located at the front of the panel , then press SRC button to select Aux mode. Press SRC Button again to cancel Aux Mode and return to previous mode.

① OPEN THE AUX-IN JACK DOOR/COVER TO ACCESS TO THE AUX-IN JACK

② AUX IN — FRONT CABINET, LEFT TRACK, RIGHT TRACK, GROUND, AUX IN
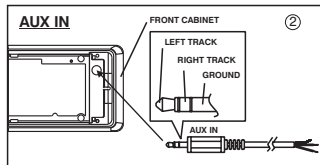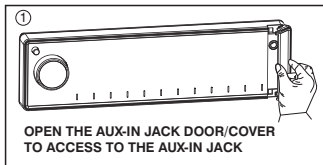
6) ENCODER VOLUME BUTTON

To increase the volume, rotate the volume control clockwise. To decrease the volume, rotate the volume control   counter clockwise. When volume is adjusted, the volume level will be shown on the display panel as a number ranging from 0 (lowest) to 46 (highest).

7. MENU OPERATION

22) MENU FUNCTION LIST (SYS MENU)

Press SYS MENU to access the menu. ░░░MENU░░░ will appear in the display momentarily. Navigate the menu by pressing SYS MENU momentarily to move forward to the next option. The menu can also be navigated by using the Tuning Up or Tuning Down Button to move to the next or previous option. Once the desired option appears in the display, adjust that option by rotating the volume control within 5 seconds. The following options are adjusted through this menu feature.

Download - Bluetooth Wireless Music File download

This feature can be used for wireless transfer of music file and store into this unit thru Bluetooth wireless technology.

Tips Please refer to the page "BLUETOOTH WIRELESS MUSIC FILE DOWNLOAD" for the details operation of "DOWNLOAD".

Paring

This feature is used to pairing the unit's Blue tooth system to your mobile phone or other Blue tooth device. Under the MENU "Pairing" mode then press Audio button to start activating the Pairing.

Tips Please refer to BLUE TOOTH HAND FREE Operation regarding the details operation of "PAIRING".

Re-connection/Dis-connection

This feature is allows to Re-connect or Dis-connect to the paired mobile phone or Blue tooth device by manually. Under the Menu- "RE-CONN"mode, Rotate the encoder to navigate thru "RE-CONN" (re-connection) and "DIS-CONN"(Dis-connection). After selected the mode for connection then press Audio button to start activating the connection mode.

Auto Answer (A ANSWER)

The unit is default of "off' mode. If "On" is selected. The unit is automatically answer any incoming call without pressing PHONE button if ON is selected..

Contrast

The contrast level of the display is set at "CONTRAST 05" by default. Rotate the volume control to adjust the contrast level from 00 to 10.

Clock Format

This option allows selection of a 12 hour or 24 hour clock format. "CLK FORMAT 12H" is the Default setting. Rotate the volume control to change to the 24 hour clock format..

Time Set

The time on the clock will be set to 12:00 as the default. Program the current time by rotating the volume control clockwise to adjust the minutes and counterclockwise to adjust the hours.

Local / Distance Select

This feature is used to designate the strength of the signals at which the radio will stop during automatic tuning. "Distance" is the default, allowing the radio to stop at a broader range of signals. To set the unit to select only strong local stations during automatic tuning, rotate the volume control until "Local" appears in the display.

Beep Tone

The beep tone feature allows the selection of an audible beep tone to be heard each time a button is pressed on the face of the radio. "BEEP TONE On" is the default display. Rotate the volume control to select the "BEEP TONE Off" option.

AREA (TUNER FREQUENCY SPACING)

This option allows the selection of the frequency spacing appropriate for your area. " AREA U.S.A. " is the default setting. Rotate the volume control to select the U.S.A. Latin America, Europe or Oirt options.

IMPORTANT NOTE ON THE EUROPEAN / RDS TUNER SETTING

This unit is default at "U.S.A" frequency. When unit is in U.S.A frequency, all the RDS related function is disabled. Once user change the AREA setting to "EUROPE", unit will change to European frequency, and all the RDS function will be activated as well. So all the RDS related function will only be activated, only if this unit's AREA setting is change to "EUROPE".

NOTE For details operaion of the RDS system, please refer to page "RDS Operation".

8. AUDIO OPERATION

Audio Menu

Pressing "AUDIO" button to access the Audio Menu. User can navigate thru the Audio Menu items by pressing the "AUDIO" button repeatedly, or by pressing the Tuning Up or Tuning Down Button. Once the desired menu item appears on the display, adjust that option by using the Volume Up or Down button within 5 seconds. The following menu items can be adjusted as described above. The unit will automatically exit the Audio Menu after five seconds of inactivity.

VOLUME (Volume Level)
- User has 5 seconds to use the Volume button to adjust the desire volume level, the volume level will be shown on the LCD display ranging from 00 (lowest) to 46 (highest).

BASS (Bass Level)
- User has 5 seconds to use the Volume Up or Down button to adjust the desired Bass level range from -6 to +6.

TREBLE (Treble Level)
- User has 5 seconds to use the Volume Up or Down button to adjust the desired Treble level range from -6 to +6.

BALANCE
- User has 5 seconds to use the Volume Up or Down button to adjust the Balance between the right and left speakers from R12 (full right) to L12 (full left). "C00" represents an equal balance between the right and left speakers.

FADER
- User has 5 seconds to use Volume Up or Down button to adjust the Fader between the front and rear speakers from R12 (full rear) to F12 (full front). "C00" represents an equal balance between the front and rear speakers.

9. TUNER OPERATION

7)   BAND BUTTON (BAND)

Press BAND to change between FM bands and AM(MW)bands.

20-21) TUNING UP/DOWN BUTTON (◄◄ ►►◄)

Manual Tuning

Press the Up Tuning or Down Tuning button for more than 3 seconds to move the radio frequency number up or down one step.

Auto Seek Tuning

Press the Up Tuning or Down Tuning button for less than 3 seconds to move to next station automatically.

12-17) PRESET STATIONS BUTTONS

Six numbered preset buttons store and recall stations for each band.

Store a Station

Select a band (if needed), then select a station. Hold a preset button for 3 seconds. The preset number will appear in the display.

Recall a Station

Select a band (if needed). Press a preset button to select the corresponding stored station.

11)   AUTOMATICALLY STORE / PRESET SCAN (AS/PS)

Automatically Store

Automatically select 6 strong stations and store them in the current band. Select a band (if needed). Press AS/PS button for more than three seconds. The new stations replace stations already stored in that band.

Preset Scan

Scan stations stored in the current band. Select a band (if needed). Press AS/PS button for less than 3 seconds. The unit will pause for ten seconds at each preset station. Press AS/PS button again to stop scanning when the desired station is reached.

STEREO

The unit will automatically pick up a stereo signal, when available. When in stereo mode, the ST icon appears in the display. When no stereo signal is available, the unit will automatically revert to mono operation, and no icon will be displayed.

10. RDS OPERATION

RDS functions

The unit is equipped with the following RDS function:

- **-** AF Alternative Frequencies
- **-** CT Clock Time
- **-** EON Enchanced other Network
- **-** PI Program identifications
- **-** PS Program service name
- **-** PTY Program Type
- **-** REG Regional Change
- **-** TA Traffic Announcement
- **-** TP Traffic program

1. **AF Function**

   By pressing AF button < 3 seconds to select AF ON/OFF. "AF ON" or "AF OFF" will show & remain on the LCD segment for 5 seconds.. Under AF "On" mode, if the tuned in station signal is getting weak, the unit will automatically switches to a different frequency on the same network with stronger signal.
   Note: Factory Default setting is "AF ON"

2. **TA Function**

   By pressing TA button < 3 seconds, turn switch on TA standby mode. "TA ON" will show & remain on the LCD segment for 5 seconds & the TA icon will light up on the LCD. In the stand by mode, when a traffic announcement broadcast starts, the traffic announcement broadcast will be received as top priority regardless of the function mode. When a traffic announcement starts, "TRAFFIC INFO" will show on the LCD, press the TA button can cancelled the broadcast reception while a traffic announcement broadcast is being received. The unit will go back to the previous mode and TA goes into stand by mode again. When the TP icon is not light up for 60 seconds. A beep Alarm tone is heard and the LCD will show "Lost TP, TA". TA seek will automatic activate and searches to another TA station.

3. **PTY Function**

   Pressing PTY button < 3 seconds to goes into PTY select mode. "PTY" icon will light up on the LCD. The LED around encoder volume will starts blinking. The user now has 5 seconds to select the desired PTY item by using volume up/down button. Once selected the PTY item, user have 5 seconds to press "SELECT" or "TUNE UP or TUNE DOWN" buttons < 3 seconds to seek for the selected PTY item. The LCD will display "PTY SEEK". If no station with the selected PTY broadcast can be received, the LCD will display "No Match PTY" and blinks for 5 seconds then returns to the previous mode.

   User can store his favor PTY into the preset memory M1 to M6. After selected a PTY item, long press any one of the preset memory button can store the selected PTY. To recall the stored PTY item by switching on PTY mode then press preset memory < 3 seconds, the unit will automatically search the stored PTY station in the preset memory

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

   Note: Factory default stored for PTY preset memory.
   M1/News, M2/Information, M3/Pop Music, M4/Sports, M5/Classics, M6/Finance.

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11. MP3/WMA MUSIC FILES OPERATION

OPERATION

12)   PAUSE BUTTON

Press the pause button to suspend file play. Press the pause button again to resume file play.

20-21) FILE SELECT

Press the Up Tuning or Down Tuning button (◄◄ ►►I) for less than one second to advance to the next file, The selected file number will appear on the display. Press and hold the Up Tuning or Down Tuning button (◄◄ ►►I) for more than one second to fast forward or fast reverse through the file. File play starts when the button is released.

14)   REPEAT BUTTON (REPEAT)

Press REPEAT BUTTON (REPEAT) during file play to continuously repeat the file. Press REPEAT BUTTON (REPEAT) again to stop repeating.

15)   RANDOM BUTTON (RANDOM)

Press RANDOM BUTTON (RANDOM) during file play to play all files in random, shuffled order. Press RANDOM BUTTON (RANDOM) again to stop random play.

13)   INTRO SCAN BUTTON (INTRO)

During file play, press INTRO SCAN BUTTON (INTRO) to play the first 10 seconds to each file on the file. When the desired file is reached, press INTRO SCAN BUTTON (INTRO) again to end the scan and play the selected file.

ABOUT MP3/WMA FILES

MP3 and WMA (Windows Media Audio) music files are audio compression format. This unit can play MP3/WMA directly from files contained on iPod docking, USB Memory Stick, SD or MMC Memory Card.

Notes on MP3/WMA Play

This unit can play MP3 (MPEG1, 2, 2.5 Audio Layer 3). However, the MP3 recording media and accepted formats are limited. When writing MP3/WMA, pay attention to the following restrictions.

Acceptable Medium Formats

The following formats are available for the media used in this unit. The maximum number of characters used for file name including the delimiter (".") and three-character extension are indicated in parentheses.

- ISO 9660 Level 1 (11 characters)
- ISO 9660 Level 2 (31 characters)
- Joliet (31 characters)
- Romeo (31 characters)

Up to 200 characters can be displayed in the long file name format. For a list of available characters, see the instruction manual of the writing software and the section "Entering File and Folder Names" below. The media reproducible on this unit has the following limitations:

- Maximum number of nested folders: 8
- Maximum number of files per file: 999
- Maximum number of files per media device: 2000
- Maximum number of folders per media device: 255

MP3/WMA written in the formats other than the above may not be successfully played and their file names or folder names may not be properly displayed.

Entering ID3 Tag

This unit supports ID3 tag versions 1.0 and 1.1.

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Entering File and Folder Names

Names using the code list characters are the only file names and folder names that can be entered and displayed. Using any other character will cause the file and folder names to be displayed incorrectly. The unit recognizes and plays only files with the MP3/WMA extension.

NOTE *A file name entered with characters not on the code list may not play correctly.*

Writing Files into a Media

When a media containing MP3/WMA data is loaded, the unit checks all data. If the media contains many folders or non-MP3/WMA files, MP3/WMA play will be delayed, it may take time for the unit to move to the next file, and searches may not be performed smoothly. Loading such a media may produce loud noise and cause damage to the speakers. *Do not attempt to play a media containing a non-MP3/WMA file with the MP3/WMA extension or a media containing non MP3/WMA files.*

Bit Rates

The unit supports bit rates from 32 - 320 kbps.

Files Playing Order

When selected for play, Folder Search, File Search or Folder Select, files and folders are accessed in the order in which they were written by the PC writer. Because of this, the order in which they are expected to be played may not match the order in which they are actually played. For example, a media with the following folder/file hierarchy is subject to Folder Search, File Search or Folder Select as shown below.

• An outline of a Media with MP3/WMA is shown below. Subfolders are shown as folders in the folder currently selected.
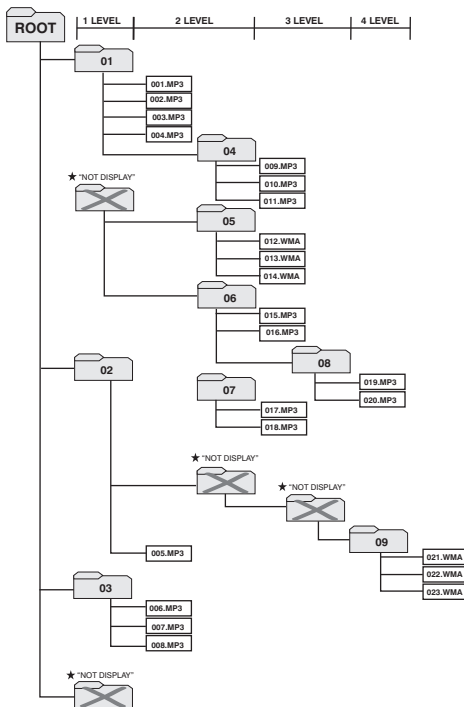
• The equipment assigns folder numbers. The user can not assign folder numbers.

★ • It is not possible to check folders that do not include MP3/WMA files. (These folders will be skipped without displaying the folder number and name)

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FILE/FOLDER PLAY
There are three different play methods as following:

File/Folder Intro play:

- Press M2 button more than 3 seconds during playing MP3/WMA file for "intro play" all files of the current folder. Intro play should restart from the first song of the current folder, after all files in the current files have been intro-played.
  To disable current folder "intro play", long press M2 button more than 3 seconds

- Press M2 button less than 3 seconds is "intro play" all files on the media device. Intro play should re-start at the very first file of the media device after all files in the file has been intro played.
  To disable all files "intro play", press M2 button less than 3 seconds

File/Folder Repeat play :

- Press M3 button more than 3 seconds during playing MP3/WMA file for "repeat play" all files of the current folder. And keep on repeat playing the current folder until "repeat play" is disabled.
  To disable current folder "repeat play", long press M3 button more than 3 seconds

- Press M3 button less than 3 seconds to "repeat play" the current file. And keep on repeat Playing the current file until the "repeat play" is disabled.
  To disable current file "repeat play", press M3 button less than 3 seconds

File/Folder Random play:

- Press M4 button more than 3 seconds during playing MP3/WMA file to "random play" all files of the current folder.
  To disable current folder "random play", long press M4 button more than 3 seconds

- Press M4 button less than 3 seconds is "random play" all files on the disc.
  To disable all file " random play", press M4 button less than 3 seconds.

Folder Up / Down Play

- Press M5 button less than 3 seconds to One Folder Down
- Press M6 button less than 3 seconds to One Folder Up

MP3/WMA File or Folder Search
Folder / Files Navigate Searching

Press BAND button twice. The LCD will display "Navigate", and the illumination around the select knob will blink. Rotate the knob to navigate through all folders and sub-folders on the disc. The folder names will be displayed on the LCD. Press the select knob for more than three seconds to play the first file in the folder. Press the select knob for less than three seconds to access the sub-folders or files. Rotate the select knob to navigate, then press the select knob to confirm and begin file play. During navigation search, press AS/PS or rotate the select knob counter-clockwise to move back to the last upper level of a folder.

ID3 INFORMATION DISPLAY
If any MP3/WMA file recording with ID3 Tag information. The ID3 information such like Album title, File title, Artist Title will be displayed and automatic scrolling through the LCD while the file is playing. User also allows pressing the AS/PS button repeatedly to view the ID3 tag information manually.
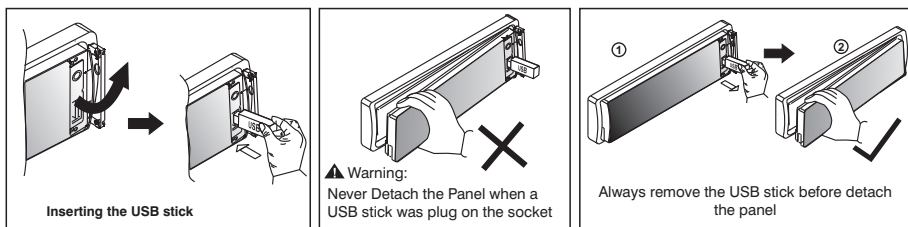
NOTE OF ID3 ICONS ON DISPLAY

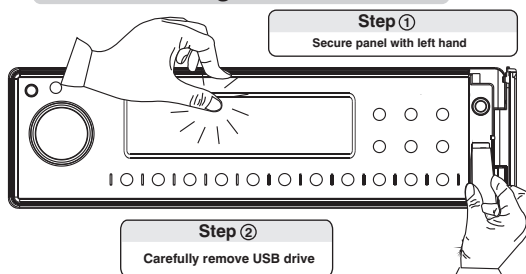| ICON	DESCRIPTION
	FOLDER ICON
	SONG ICON
	FILE ICON
	ARTIST ICON
	ALBUM ICON

12. USB OPERATION

The unit can support USB Host Function. It can playback MP3 and WMA Audio format which are stored into USB Memory Stick or USB interface Music Player. Please read below before you start the operation of USB HOST Function.

Inserting and Removing USB Drive

Inserting the USB stick	⚠ Warning: Never Detach the Panel when a USB stick was plug on the socket	Always remove the USB stick before detach the panel

Removing USB Drive

Step ①
Secure panel with left hand

Step ②
Carefully remove USB drive

Mode change to USB HOST

Under any other mode while inserting a USB Stick into the front panel USB plug, the unit will Automatically switches from present playing mode to USB HOST mode. The unit will display ' USB HOST for a while then starts ◎ Reading the files contained on the USB Stick . Once the unit read the USB Stick successfully, the first audio music file on the USB stick Playback will Automatically start. Press Mode button repeatedly to change to other modes or switch back to USB HOST.

⚠ WARNING:

Before remove the USB stick from the Front panel USB plug. Always remember to switch off the unit's power or switch to other mode then remove out the USB Stick. Never try removing the USB Stick while playing music file on the USB stick. It may damage the USB Stick and sometimes will caused the unit system lock up.

NOTE The unit can support playback Music Player which have USB Interface. However due to the fast changing decoder technology and different kind of hardware interface. This unit may or may not be compatible to all the Music Player and USB Stick especially those USB Stick / Player which require to install a program driver.

NOTE About Music Flash Player with USB Interface, Usually, the unit takes longer time to read this kind of player than normal USB Stick. Especially, if the Flash Player with built-in power battery sometimes takes 20-30 seconds to start up the playback

NOTE The unit is not compatible to playing any Portable Hard disk.
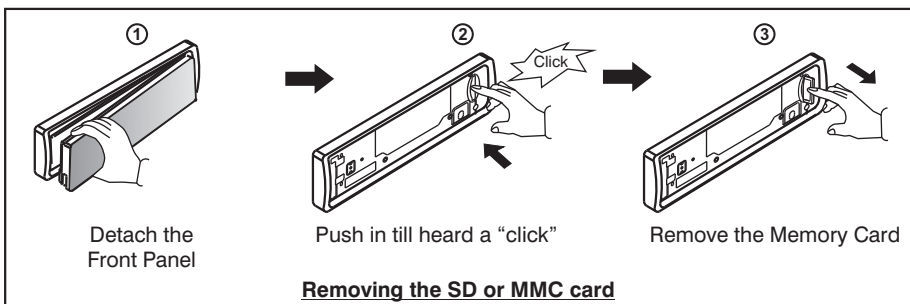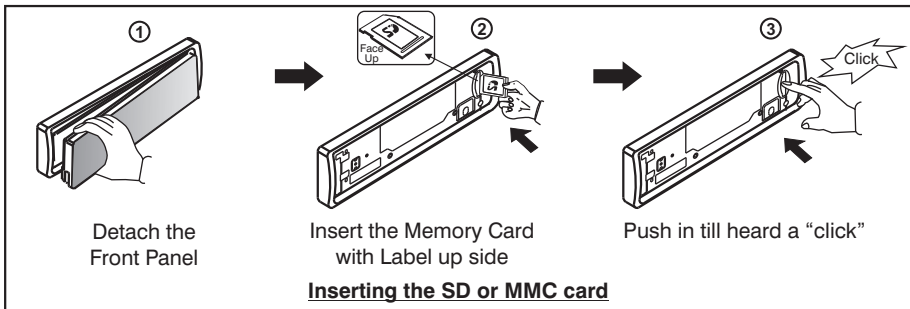
Music File Playback Operation

All the USB playback operation function is same as the operation on MP3/WMA. Please refer to 'MP3/WMA Operation' for more details.

13. MEMORY CARD OPERATION

The unit can support playback MP3 and WMA Audio format which are stored into **SD** and **MMC** Memory Card . Please read below before you start the operation of Memory Card.

Inserting and Removing a SD or MMC card on the main unit

①	②	③
Detach the Front Panel	Insert the Memory Card with Label up side	Push in till heard a "click"

Inserting the SD or MMC card

①	②	③
Detach the Front Panel	Push in till heard a "click"	Remove the Memory Card

Removing the SD or MMC card

Mode change to MEMORY CARD

After a SD or MMC card was inserted into the main unit card slot. Press the Mode button to select SD/MMC mode . The unit will display SD/MMC for a while then starts Reading The files contained on the Memory Card. Once the unit read the MEMORY CARD successfully, the first audio music file on the Memory Card will automatically start playback.Press Mode button repeatedly is allowing changing to other modes or switch back to SD/MMC mode.

NOTE ▶ If no any Memory Card is inserted into the main unit card slot. Press mode button will automatically skip SD/MMC mode.

Music File Playback Operation

All the SD or MMC Memory Card playback operation function is same as the operation on MP3/WMA. Please refer to 'MP3/WMA Operation' for more details.

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14. MUSIC FILES TRANSFERRING

Thanks for the most useful and convenient files transferring function of this unit, user can easily transfer music files between USB Stick, SD or MMC Memory card. Please read below for the details operation of this function:

TRANSFERABLE MEDIA

Files are transferable within the following media:
- Removable USB Stick
- SD Memory Card
- MMC Memory Card

MUSIC FORMAT SUPPORTED BY FILE TRANSFER ARE
- MP3 and WMA

TRANSFER MP3 OR WMA MUSIC FILES

This operation only can be performed during file playing a MP3 or WMA music file.

1. Playback a music file to be transferred and then long press the COPY button to activate the Transfer mode.

2. The LCD will display `Rec ⤳ USB` as default, Rotate the encoder volume knob to navigate thru `Rec ⤳ USB` > `Rec ⤳ CARD` for selection of the storage media.

3. Once selected the storage media, Press AUDIO button as confirmation to start the record to this selected media. If no further button is press within the 10 second time out, the unit will automatically resume to the previous mode.

4. If unit detect the selected device memory capacity is used up, `Memory Full` will display on the LCD for a while then automatically resume to the previous some mode.

5. After pressing AUDIO button to start the transfer, the playing music file will stop and the transferring will start at the same time. (The following step is an example of if selected USB

6. When the transfer is processing, the LCD will displayed `10 %⤳ USB` .

7. When the file transfer is completed, the LCD will display `100%⤳ USB` for a while and automatically playback the present music file which have been transferred. The transferred music file is automatically saved as a file into Folder "MY_MP3" or " MY_WMA" by the advance "File Management." system of this unit.

   Tips For more details information of File Management system of this unit. Please see "FILE MANAGER''.

   NOTE Under transferring mode, All the MP3/WMA operation is not functional, like file up / down,Repeat, Random, and Intro etc.

   NOTE The audio will remain recording by the unit system even MUTE function is activated

   NOTE The Transferring will automatically stop if the storage device memory is **less than 2MB**

- **To Cancel Recording**
1. Long press button COPY again to cancel the recording. The LCD will display `Rec ▪ USB` . The track that has been recorded incompletely will be deleted.

   NOTE The unit will cancel the Recording automatically under the following operation, the track that has been recorded incompletely will be deleted.

   1)Switch the power to off mode
   2)Mode change
   3)Inserting a USB Stick
   4)Detach the Front Panel from the main unit

TRANSFER MP3 OR WMA MUSIC FILES BETWEEN MEDIA DEVICES

Select a device by mode button and playback the music file need to be transfer:

1. Long press the COPY button to activate the transfer mode.

2. The LCD will display `Rec 4 USB` as default, Rotate the encoder volume knob to navigate thru `Rec 4 USB` > `Rec 4 CARD` for selection of the storage media.

3. Once selected the storage media, Press AUDIO button as confirmation to start the record to this selected media. If no further button is press within the 10 second time out, the unit will automatically resume to the previous mode.

4. If unit detect the selected device memory capacity is used up, `Memory Full` will display on the LCD for a while then automatically resume to the previous some mode.

5. After pressing AUDIO button to start the transfer, the playing music file will stop and the transferring will start at the same time. (The following step is an example of if selected USB

6. When the transfer is processing, the LCD will displayed `10 % USB` .

7. When the file transfer is completed, the LCD will display `100% USB` for a while and automatically playback the present music file which have been transferred. The transferred music file is automatically saved as a file into Folder "MY_MP3" or " MY_WMA" by the advance "File Management." system of this unit.

    Tips For more details information of File Management system of this unit. Please see "FILE MANAGER''.

    NOTE Under transferring mode, All the MP3/WMA operation is not functional, like file up / down,Repeat, Random, and Intro etc.

    NOTE The audio will remain recording by the unit system even MUTE function is activated

    NOTE The Transferring will automatically stop if the storage device memory is **less than 2MB**

⚠ WARNING:

1) Never remove the USB Stick while recording or file transferring to USB Stick. It may damage the USB Stick and sometimes will caused the unit system lock up.

2) It is not recommended to insert USB stick while recording is under progress to other storage device. Always remember to stop the recording or after the recording is completed, then insert the USB stick.

3) Do not switching mode of the unit during the File Transferring .

4) Do not turn off the Power of the unit during the File Transferring.

5) Do not switch the ignition key off during the File Transferring

15. MUSIC FILES ERASING

You can erase files from the USB Stick or Memory Card. Please read below for the details operation of this function:

ERASABLE MEDIA
- USB Stick and Memory Card.

ERASING MUSIC FILES ON THE MEDIA

There are THREE different methods for erasing files;

1.Erase while the Music File is playing.
- Long press BAND button to activate the ERASE mode
- The LCD will display `ERASE 010`
- Short Press the AUDIO to enter into the ERASE mode.
- Once enter into the erase mode. You can rotate the encoder volume knob to select " ✔ " as to confirm the erase or rotate the volume knob to select " ✗ " as for cancel the erase mode. If no further button is press within 5 seconds time out. The unit automatically resume to the previous mode.
- Once the " ✔ " is display on the LCD, press the AUDIO button again to final confirm erase the present playback music file.

> **NOTE** If want to CANCEL the erase of the present music file, Rotate the encoder volume knob to " ✗ ". Once the " ✗ " is displayed on the LCD, press the AUDIO button again to cancel the erase mode.

- After pressing AUDIO button to start the ERASE, the present playing music file will stop and the erasing will start at the same time.
- `ERASE ✔` Will display on the LCD after the music file erase is successful, and the unit will automatically start playback the next music file.

2.Erase under Files Number Search Mode

User can select the Music file Number want to erase by file Number Search mode.
- After selected the file number want to erase, Long press the BAND button to activate the ERASE mode.
- The LCD will display `ERASE 010` .
- Short Press the AUDIO to enter into the ERASE mode
- Once enter into the erase mode. User can rotate the encoder to select " ✔ " to confirmthe erase or rotate the volume knob to select " ✗ " to cancel the ERASE mode. If no further button is press within a 5 second time out. The unit automatically resume to the previous mode.
- Once the " ✔ " is displayed on the LCD, press the AUDIO button to final confirm to erase the selected music file.

> **NOTE** If want to CANCEL the erase of the present music file, Rotate the encoder volume knob to " ✗ ". Once the " ✗ " is displayed on the LCD, press the AUDIO button again to cancel the erase mode.

- After pressing AUDIO button to start the ERASE, the present playing music file will stop and the erasing will start at the same time.
- `ERASE ✔` Will display on the LCD after the music file erase is successful, and the unit will automatically start playback the next music file.

3. Erase under Files NAVIGATE search mode

You can select a Music file want to erase by files Navigate Search mode.
- After selected the file number want to erase, Long press the BAND button to activate the ERASE mode.
- The LCD will display `ERASE 010` .

- Short Press the AUDIO to enter into the ERASE mode
- Once enter into the erase mode. User can rotate the encoder to select " ⬛ " to confirmthe erase or rotate the volume knob to select "⬛" to cancel the ERASE mode. If no further button is press within a 5 second time out. The unit automatically resume to the previous mode.
- Once the " ⬛ " is displayed on the LCD, press the AUDIO button to final confirm to erase the selected music file.

NOTE If want to CANCEL the erase of the present music file, Rotate the encoder volume knob to " ⬛ ". Once the " ⬛ " is displayed on the LCD, press the AUDIO button again to cancel the erase mode.

- After pressing AUDIO button to start the ERASE, the present playing music file will stop and the erasing will start at the same time.
- ⬛ ERASE ⬛ ✓ Will display on the LCD after the music file erase is successful, and the unit will automatically start playback the next music file.

⚠ WARNING:
1) Do not switching mode of the unit during the Erasing
2) Do not turn off the Power of the unit during the Erasing
3) Do not switch the Ignition key off during the Erasing
4) Do not detach the front panel during the Erasing

16. FILES MANAGER

The advance "File Management." System of this unit can help to well you organize all the music files just like a PC . Please read below for details:

FOLDERS MANAGEMENT

This unit will automatically self-create the below default folders onto any USB /SD / MMC media device, once these devices are inserted into the unit.

MY_MP3: Folder for saving all the MP3 music files transfer from other device
MY_WMA: Folder for saving all the WMA music files transfer from other device
MY_AUX : Folder for saving all the music files source from AUX Line In

FILES MANAGEMENT

This unit will automatically self-create the file name following with the Folder Name, for example:
Music file which recorded from file, the file name 'Mp3' will be automatically created & saved in the respective folder.

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17. BLUETOOTH HAND FREE OPERATION

User Guide For Bluetooth Operation

1. When user use our Bluetooth HEAD UNIT, please make sure the mobile phone you use must / does support Bluetooth functions (Headset or Handsfree profiles or both)

2. Before you start to use our Bluetooth HEAD UNIT, please make sure complete pairing with your mobile phone first. Please refer to the user manual, section "PAIRING" for detail "PAIRING" instruction. To ensure the best reception for Pairing or Re-connection, please make sure the Phone Battery is fully charged when making the Pairing or Re-connection.

3. Please always try pairing the Mobile Phone with Head unit after a few minutes of the Mobile Phone was Switched On to ensure the best pairing result.

4. "BT60" is this unit device model number which is displayed on the mobile phone.

5. To achieve the best performance, please always keep the Mobile Phone within 3 meters of the Head unit.

6. Please always keep a clear path between the Mobile Phone & the Head unit.

7. Never put any metal object or any obstacle between the path of the Mobile Phone & the Head unit.

8. Some brand of Mobile Phone like Sony Ericsson may have "Power Saving Mode" selection when Bluetooth mode is switched on. **PLEASE DO NOT** Switches ON Power saving Mode when operating with this Head Unit, as some abnormal communal behavior will happen occasionally if Power Saving Mode is switched on.

9. Before user make Outgoing call or Incoming call, make sure the mobile phone's "Bluetooth function" was switched "ON".

10. To ensure the best conversation quality / performance, please always keep talking within 1 meter of the Head Unit.

11. If user want to Dis-connect the Head unit with the Mobile Phone, please switch "OFF" Blue Tooth connectivity on the Mobile Phone,or go to the system menu, "dis-connect" to disconnect the bluetooth connectivity manually. (please refer to the user manual, section "dis-connection of the bluetooth system for details instruction.)

12. Some Mobile Phones can support "IN BAND RING TONE", such as Nokia. In such case, the Incoming Ringing Tone will be same as the original Ring-tone of the Mobile Phone. But some Mobile Phones like Sony Ericsson do not support this feature. The Ring-tone will be using the standard Ring-tone of the Head unit.

13. When in telephone mode, during talking, it is highly recommended to set the volume to below "30" in order to achieve the best sound quality. As if the volume is too high, it may create unwanted echo inside the car, and this unwanted echo may feedback into the microphone.

14. If the Bluetooth related operation is not performing normally, like cannot make pairing, cannot making an outgoing call, User can try to make a SOFT-RESET of the Bluetooth module by removing / detaching the panel from the main unit and waiting for about 1 min. Then re-attach the panel to the unit & retry the Bluetooth operation again. Or user can RESET the whole unit by pressing the RESET button behind the panel.

NOTE By pressing the RESET button all the stored memory will resume to factory default

Bluetooth Mobile Phone Compatibility List

This unit can support Bluetooth specification v1.2 or higher, and compatible with Bluetooth profiles such as handsfree or headset profiles. however the functionality may be limited due to some phones' own dedicated interfacing specification.

This list is only updated to the time this list is being printed. This list gives an example of Bluetooth mobile phone available on the market, if your Bluetooth mobile phone is not on the list, please try it out in practice or try your phone at the local dealer or consult with the local dealer in case it is not mentioned in the list.

1. APPLE, BlackBerry, DOPOD & HTC

		APPLE	BlackBerry		DOPOD		HTC
		i-phone	BlackBerry	Pearl 8120	818	565	P3470
Features							
Caller ID		✓	✓	✓	✓	✓	✓
A2DP/AVRCP		✗	✗	✓	✗	✗	✓
Paring		✓	✓	✓	✓	✓	✓
Ringing	In-Band Ring Tone	✗	✗	✗	✗	✗	✓
	Talk	✓	✓	✓	✓	✓	✓
	Reject	✓	✓	✓	✓	✓	✓
Talking	Audio Transfer	✓	✓	✓	✓	✓	✓
	Volume up/down	✓	✓	✓	✓	✓	✓
	Hang up	✓	✓	✓	✓	✓	✓
Dialing	Audio Transfer	✓	✓	✓	✓	✓	✓
	Volume up/down	✓	✓	✓	✓	✓	✓
Stereo Control	Stop/Pause/Play			✓			✓
	Volume control	Not Supported this function		✓	Not Supported this function	Not Supported this function	✓
	Forward/Backward			✗			✗
	Next/Previous			✓			✓

2. HTC & LG

		HTC		LG			
		HTC TyTNII	HTC Touch	KS 20	LG Viewty	KG320	Shine KE970
Features							
Caller ID		✓	✓	✓	✓	✓	✓
A2DP/AVRCP		✓	✓	✓	✓	✗	✓
Paring		✓	✓	✓	✓	✓	✓
Ringing	In-Band Ring Tone	✗	✗	✗	✗	✗	✗
	Talk	✓	✓	✓	✓	✓	✓
	Reject	✓	✓	✓	✓	✓	✓
Talking	Audio Transfer	✓	✓	✓	✓	✓	✓
	Volume up/down	✓	✓	✓	✓	✓	✓
	Hang up	✓	✓	✓	✓	✓	✓
Dialing	Audio Transfer	✓	✓	✓	✗	✓	✓
	Volume up/down	✓	✓	✓	✓	✓	✓
Stereo Control	Stop/Pause/Play	✓	✓	✓	✓		✓
	Volume control	✓	✓	✓	✓	Not Supported this function	✗
	Forward/Backward	✗	✗	✗	✗		✗
	Next/Previous	✓	✓	✓	✓		✓

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3. MOTOROLA

		V9	E8	Q9h	Z6	E6	V8
Features							
Caller ID		✓	✓	✓	✓	✓	✗
A2DP/AVRCP		✓	✓	✓	✓	✓	✓
Paring	Paring	✓	✓	✓	✓	✓	✓
Ringing	In-Band Ring Tone	✓	✓	✓	✗	✗	✓
	Talk	✓	✓	✓	✓	✓	✓
	Reject	✓	✓	✓	✓	✓	✓
Talking	Audio Transfer	✓	✓	✓	✓	✓	✓
	Volume up/down	✓	✓	✓	✓	✓	✓
	Hang up	✓	✓	✓	✓	✓	✓
Dialing	Audio Transfer	✓	✓	✓	✓	✓	✓
	Volume up/down	✓	✓	✓	✓	✓	✓
Stereo Control	Stop/Pause/Play	✓	✓	✓	✓	✓	✓
	Volume control	✓	✓	✓	✓	✓	✓
	Forward/Backward	✓	✓	✗	✗	✗	✗
	Next/Previous	✓	✓	✓	✓	✓	✓

MOTOROLA

		K1	(A1200)	V3x	V3	V600	V501
Features							
Caller ID		✓	✓	✓	✓	✓	✓
A2DP/AVRCP		✓	✓	✓	✗	✗	✗
Paring		✓	✓	✓	✓	✓	✓
Ringing	In-Band Ring Tone	✓	✓	✓	✓	✓	✓
	Talk	✓	✓	✓	✓	✓	✓
	Reject	✓	✓	✓	✓	✓	✓
Talking	Audio Transfer	✓	✓	✓	✓	✓	✓
	Volume up/down	✓	✓	✓	✓	✓	✓
	Hang up	✓	✓	✓	✓	✓	✓
Dialing	Audio Transfer	✓	✓	✓	✓	✓	✓
	Volume up/down	✓	✓	✓	✓	✓	✓
Stereo Control	Stop/Pause/Play	✓	✓	✓	Not Supported this function	Not Supported this function	Not Supported this function
	Volume control	✓	✓	✓			
	Forward/Backward	✓	✗	✓			
	Next/Previous	✓	✓	✓			

4. NOKIA

	N95	N81	5610	6110	6300	5700
Features						
Caller ID	✓	✓	✓	✓	✓	✓
A2DP/AVRCP	✓	✓	✓	✓	✓	✓
Paring	✓	✓	✓	✓	✓	✓
Ringing — In-Band Ring Tone	✓	✓	✓	✓	✓	✓
Ringing — Talk	✓	✓	✓	✓	✓	✓
Ringing — Reject	✓	✓	✓	✓	✓	✓
Talking — Audio Transfer	✓	✓	✓	✓	✓	✓
Talking — Volume up/down	✓	✓	✓	✓	✓	✓
Talking — Hang up	✓	✓	✓	✓	✓	✓
Dialing — Audio Transfer	✓	✓	✓	✓	✓	✓
Dialing — Volume up/down	✓	✓	✓	✓	✓	✓
Stereo Control — Stop/Pause/Play	✓	✓	✓	✓	✓	✓
Stereo Control — Volume control	✓	✓	✓	✓	✓	✓
Stereo Control — Forward/Backward	✗	✗	✗	✗	✗	✗
Stereo Control — Next/Previous	✓	✓	✓	✓	✓	✓

NOKIA

	6233	5300	7500	6085	N91	N73
Features						
Caller ID	✓	✓	✓	✓	✓	✓
A2DP/AVRCP	✓	✓	✓	✓	✓	✗
Paring	✓	✓	✓	✓	✓	✓
Ringing — In-Band Ring Tone	✓	✓	✓	✓	✓	✓
Ringing — Talk	✓	✓	✓	✓	✓	✓
Ringing — Reject	✓	✓	✓	✓	✓	✓
Talking — Audio Transfer	✓	✓	✓	✓	✓	✓
Talking — Volume up/down	✓	✓	✓	✓	✓	✓
Talking — Hang up	✓	✓	✓	✓	✓	✓
Dialing — Audio Transfer	✓	✓	✓	✓	✓	✓
Dialing — Volume up/down	✓	✓	✓	✓	✓	✓
Stereo Control — Stop/Pause/Play	✓	✓	✓	✓	Not Supported this function	Not Supported this function
Stereo Control — Volume control	✓	✓	✓	✓		
Stereo Control — Forward/Backward	✗	✗	✗	✗		
Stereo Control — Next/Previous	✓	✓	✓	✓		

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NOKIA

	6111	6270	6600	6230		
Features						
Caller ID	✓	✓	✓	✓		
A2DP/AVRCP	✗	✗	✗	✗		
Paring	✓	✓	✓	✓		
Ringing — In-Band Ring Tone	✓	✓	✓	✓		
Ringing — Talk	✓	✓	✓	✓		
Ringing — Reject	✓	✓	✓	✓		
Talking — Audio Transfer	✓	✓	✓	✓		
Talking — Volume up/down	✓	✓	✓	✓		
Talking — Hang up	✓	✓	✓	✓		
Dialing — Audio Transfer	✓	✓	✓	✓		
Dialing — Volume up/down	✓	✓	✓	✓		
Stereo Control — Stop/Pause/Play	Not Supported this function	Not Supported this function	Not Supported this function	Not Supported this function		
Stereo Control — Volume control						
Stereo Control — Forward/Backward						
Stereo Control — Next/Previous						

5. SAMSUNG

	I458	F338	U708	Z728	D820	D528
Features						
Caller ID	✓	✓	✓	✓	✓	✓
A2DP/AVRCP	✓	✓	✓	✓	✓	✓
Paring	✓	✓	✓	✓	✓	✓
Ringing — In-Band Ring Tone	✓	✗	✗	✗	✗	✗
Ringing — Talk	✓	✓	✓	✓	✓	✓
Ringing — Reject	✓	✓	✓	✓	✓	✓
Talking — Audio Transfer	✓	✓	✓	✓	✓	✓
Talking — Volume up/down	✓	✓	✓	✓	✓	✓
Talking — Hang up	✓	✓	✓	✓	✓	✓
Dialing — Audio Transfer	✓	✓	✓	✓	✓	✓
Dialing — Volume up/down	✓	✓	✓	✓	✓	✓
Stereo Control — Stop/Pause/Play	✓	✓	✓	✓	✓	✓
Stereo Control — Volume control	✓	✓	✓	✓	✗	✓
Stereo Control — Forward/Backward	✗	✗	✗	✗	✗	✓
Stereo Control — Next/Previous	✓	✓	✓	✓	✓	✓

SAMSUNG

		E568	D508				
Features							
Caller ID		✓	✓				
A2DP/AVRCP		✗	✗				
Paring		✓	✓				
Ringing	In-Band Ring Tone	✗	✗				
	Talk	✓	✓				
	Reject	✓	✓				
Talking	Audio Transfer	✓	✓				
	Volume up/down	✓	✓				
	Hang up	✓	✓				
Dialing	Audio Transfer	✗	✓				
	Volume up/down	✓	✓				
Stereo Control	Stop/Pause/Play	Not Supported this function	Not Supported this function				
	Volume control						
	Forward/Backward						
	Next/Previous						

6. SHARP & SIEMENS

		SHARP		SIEMENS			
		WX-T82	WX-T71	GX-T15	S55	BenQ S88	
Features							
Caller ID		✓	✓	✓	✓	✓	
A2DP/AVRCP		✓	✗	✗	✗	✗	
Paring		✓	✓	✓	✓	✓	
Ringing	In-Band Ring Tone	✗	✓	✓	✓	✗	
	Talk	✓	✓	✓	✓	✓	
	Reject	✓	✓	✓	✓	✓	
Talking	Audio Transfer	✓	✓	✓	✓	✓	
	Volume up/down	✓	✓	✓	✓	✓	
	Hang up	✓	✓	✓	✓	✓	
Dialing	Audio Transfer	✓	✓	✓	✓	✓	
	Volume up/down	✓	✓	✓	✓	✓	
Stereo Control	Stop/Pause/Play	✓					
	Volume control	✓	Not Supported this function	Not Supported this function	Not Supported this function	Not Supported this function	
	Forward/Backward	✗					
	Next/Previous	✓					

7. SONYERICSSON

		C902	Z750i	W580i	P1i	S500i	K610i
Features							
Caller ID		✓	✓	✓	✓	✓	✓
A2DP/AVRCP		✓	✓	✓	✓	✓	✓
Paring		✓	✓	✓	✓	✓	✓
Ringing	In-Band Ring Tone	✗	✗	✗	✗	✗	✗
	Talk	✓	✓	✓	✓	✓	✓
	Reject	✓	✓	✓	✓	✓	✓
Talking	Audio Transfer	✓	✓	✓	✓	✓	✓
	Volume up/down	✓	✓	✓	✓	✓	✓
	Hang up	✓	✓	✓	✓	✓	✓
Dialing	Audio Transfer	✓	✓	✓	✓	✓	✓
	Volume up/down	✓	✓	✓	✓	✓	✓
Stereo Control	Stop/Pause/Play	✓	✓	✓	✓	✓	✓
	Volume control	✓	✓	✓	✓	✓	✓
	Forward/Backward	✗	✗	✗	✗	✓	✗
	Next/Previous	✓	✓	✓	✓	✓	✓

SONYERICSSON

		K618i	W880i	K800i	M600i	K700i	Z800i
Features							
Caller ID		✓	✓	✓	✓	✓	✓
A2DP/AVRCP		✓	✓	✓	✓	✗	✗
Paring		✓	✓	✓	✓	✓	✓
Ringing	In-Band Ring Tone	✗	✗	✗	✗	✗	✗
	Talk	✓	✓	✓	✓	✓	✓
	Reject	✓	✓	✓	✓	✓	✓
Talking	Audio Transfer	✓	✓	✓	✓	✓	✓
	Volume up/down	✓	✓	✓	✓	✓	✓
	Hang up	✓	✓	✓	✓	✓	✓
Dialing	Audio Transfer	✓	✓	✓	✓	✗	✗
	Volume up/down	✓	✓	✓	✓	✓	✓
Stereo Control	Stop/Pause/Play	✓	✓	✓	✓	Not Supported this function	Not Supported this function
	Volume control	✓	✓	✓	✗		
	Forward/Backward	✗	✗	✗	✗		
	Next/Previous	✓	✓	✓	✓		

SONYERICSSON

		S700i	W550i	Z600	T68	T68i	T610
Features							
Caller ID		✓	✓	✓	✓	✓	✓
A2DP/AVRCP		✗	✗	✗	✗	✗	✗
Paring		✓	✓	✓	✓	✓	✓
Ringing	In-Band Ring Tone	✗	✗	✗	✗	✗	✗
	Talk	✓	✓	✓	✓	✓	✓
	Reject	✓	✓	✓	✓	✓	✓
Talking	Audio Transfer	✓	✓	✓	✓	✓	✓
	Volume up/down	✓	✓	✓	✓	✓	✓
	Hang up	✓	✓	✓	✓	✓	✓
Dialing	Audio Transfer	✗	✗	✓	✓	✓	✓
	Volume up/down	✓	✓	✓	✓	✓	✓
Stereo Control	Stop/Pause/Play	Not Supported this function	Not Supported this function	Not Supported this function	Not Supported this function	Not Supported this function	Not Supported this function
	Volume control						
	Forward/Backward						
	Next/Previous						

BLUETOOTH HAND FREE PANEL FUNCTION KEY MATRIX
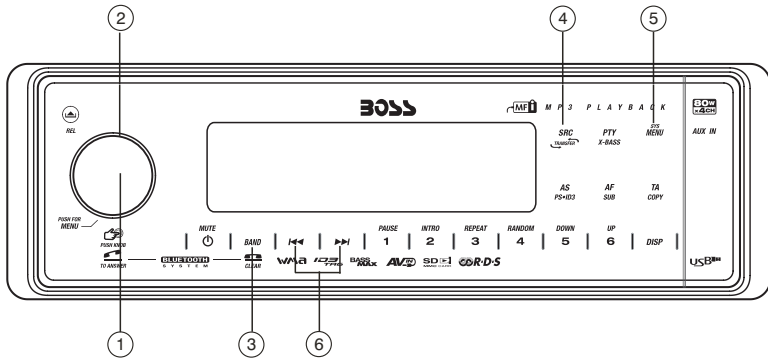
Panel Function Button			Bluetooth Hand Free Function
1	AUDIO	Short Press	Enter Phone number input mode
		Long Press	Confirm Dialing the input Phone Number
2	Encoder volume Knob		Use for numeric input
3	BAND		1. Reject Incoming call 2. Edit Number
4	MODE	Short Press	Confirm Dialing the input Phone Number
		Long Press	Transfer Phone Conversation backward to Mobil Phone
5	MENU		Pairing / Re-Connection etc Note: See Menu operation for more details.
6	Tune Up / Down		Move Cursor and Edit Number

PAIRING

Pairing The Bluetooth System Between User's Mobile Phone & The Unit

- Access into MENU - PAIRING mode to activates the operation of Pairing .

NOTE Please see MENU Operation for more details of how to access into MENU mode .

- Once the   `PAIRING:1`   is appearing on the LCD Display,   press the AUDIO button to activate the Pairing mode.

NOTE Keep the mobile phone within 2 meter from the unit when making the pairing.

- To terminate the pairing, you can press the "CLEAR" button at any time.
- Select the Bluetooth set up on the Mobile Phone

NOTE Please refer to the instruction manual of your mobile phone on how to enter into the blue tooth set up and blue tooth on / off, and blue tooth pairing.

- "BT60" should appear in the pairing list on the mobile phone. User need to select "BT60" and then input the password **"1234".**
- If the pairing is successful, the display will show   `PAIRING:1`   and Mobile Phone Name.

- If the pairing failed, " `PAIRING:1` " will be flashing on the Display for 3 seconds. And the unit will switch back to the previous mode automatically.

NOTE   During the Pairing, only Power, Clear ,Volume +/- & Mute are functional, other function keys are disabled & non-operational during the pairing mode.

Re-Connection Of The Bluetooth System

The unit is with built -in Auto-Reconnection function. In some conditions, user need to reconnect manually. For example like the following.

- If The Mobile Phone is out of range.(2 meters away from the Head unit) Under the condition of lost connection when the user come back to the unit. At the same time, there is an incoming call or user is under conversation on the Mobile Phone 2 meters away from the Head Unit and come back to Head unit.
- If user wants Audio Transfer back from Mobile Phone to Head unit. It needs to re-connect manually.

The unit can be re-connected by the following methods.

- Access into MENU - RE-CONN mode to activate the manual RE-Connection.

NOTE Pls see MENU Operation for more details of how to access into MENU mode.

- Once the `RE-CONN:1` is display on the LCD , press the AUDIO button to activate the manual Re-Connect mode.

NOTE 1.Keep the mobile phone within 2 Meter from the unit when making the connection.

NOTE 2.The manual re-connect is only function with the Mobile Phone has already   been paired with the unit before.
- The LCD Display will displayed " `RE-CONN:1` " during the connecting period.
- If the re-connection is successful, the LCD Display will display " `RE-CONN:1` ". And the unit will switch back to the previous mode automatically.
- If the re-connection failed, the LCD Display will display " `RE-CONN:1` " . And the unit will switch back to the previous mode automatically.

The unit will be Auto Re-Connection by following operation .

- Every time turn the ignition key from off to on ,the unit will Auto re-connect with the mobile phone one.
- Every time when user long press AUDIO button or short press MODE button confirm dialing a call, the Unit will Auto Re-connect with the Mobile Phone once (Only if this Mobile Phone has been paired with the unit previously).

Dis-Connection of the Bluetooth System

The unit have a option function for user to disconnect the Bluetooth system with the unit. The unit can be Dis-connected by the following methods.

- Access into MENU - DIS-CONN mode to activate the manual Dis-Connection.

NOTE Please see MENU Operation for more details of how to access into MENU mode.

- Once the " DIS-CONN:1 " is display on the LCD, press the AUDIO button to activate the manual Dis-Connect mode.
- The LCD Display will displayed " DIS-CONN:1 " during the Dis-connecting period.
- If the Dis-Connection is successful, the LCD Display will display " DIS-CONN:1 ". And the unit will switch back to the previous mode automatically.

INCOMING CALL

ANSWERING AN INCOMING CALL

- When there is an incoming call, the display will display the Phone Number. If the incoming call has no the Phone Number, the LCD will display "   PHONE IN   user can press the "PHONE" button or "MODE" button to answer / accept the call.

NOTE Always press the **"PHONE"** (AUIDIO)button or **"MODE '** button to answer / accept the call **after** the LCD display the Phone Number or "PHONE IN".

NOTE The audio output of the present mode will be muted and the ringing tones will be heard, if an incoming call is not being answered.

- User can use the volume up/down to adjust the volume level.
- To end the conversation, press the "CLEAR" button. The unit will switch back to the previous mode automatically and release the mute of the previous mode at the same time.

NOTE An incoming call under stand by mode (Ignition on & Power Off) The system will automatically switch on the head unit.

Rejecting An Incoming Call

- User can press "CLEAR" button to reject the incoming call.

NOTE The audio output of the present mode will be muted and the ringing tones will be heard if an incoming call is not being answered. After pressing the "CLEAR"(BAND) button, the mute of the present mode will be released.

OUTGOING CALL

Making An Outgoing Call

- Press the "PHONE" (AUDIO)button to start making an outgoing call. The LCD Display will display ▨▨▨▨▨▨▨▨ And a cursor will keep blinking while waiting the user to enter the phone number.
- Rotate the encoder knob to navigate thru the numeric 0-9 *, # & + .
- Press the" AUDIO" button as confirm input the selected numeric.
- Use the File up/down button to move the cursor back or forward to the wrong inpu numeric.
- Once the phone number has been entered completely, Long press the "PHONE" button again or Short Press the "MODE" button to start dialing the call, the LCD Display will display " CALLING ⫸ ".

Tips Under the Calling mode, if need to input any number, for example Pin Code Input or Service Number Dial Input. Short press the **"AUDIO"** button to enter the numeric input interface then rotate the encoder knob to navigate the desire input number and press the **"AUDIO"** button again as confirm input the selected number. To exit the numeric input interface by **LONG PRESS** the **"AUDIO"** button again.

NOTE The audio output of the present mode will ONLY be muted after pressing the "PHONE" button as a confirmation to dial the outgoing call.

- During the talking mode, the LCD Display will display the duration " PHONE ⫸ 00:06 "of the conversation.
- User can use the volume up/down to adjust the volume level.
- To end the conversation, press the "Clear" button . The unit will switch back to the previous mode automatically. The mute of the previous mode will be released at the same time.
- During the talking mode, if the Ignition is being turned off, the unit will keep the conversation even if the Ignition is Switched off. After finished the conversation, User can press "CLEAR" button to switch off the unit.

CALL TRANSFER

TO AUDIO TRANSFER FROM HEAD UNIT BACK TO THE MOBILE PHONE

- During the talking mode, user can press the "TRANSFER" button to transfer the audio from the unit back to the mobile phone for privacy reason. The LCD Display will display " TRANSFER ⇐⇒ " on the LCD for 3 seconds.

NOTE After the "Transfer" button is pressed, the mute of the present mode will be released at the same time.

NOTE When making an outgoing call, it's not possible to CALL TRANSFER if the call is not being answered yet.. It's only possible to Transfer the call to Mobile phone after the call is being answered.

NOTE Depending on different type of Mobile Phone, the time need for activating the CALL TRANSFER mode is different. Like Nokia Mobile Phone usually takes 3-5 seconds after pressed the "TRANSFER" button for audio transfer back or forth through Unit to mobile phone.

DIALED LIST

To Find the Last 10 Dialed Number

The unit can memory up to 10 last dialed number.

- Press the "PHONE" (AUDIO) button, after the LCD appeared display "   ", then Long press "PHONE" (AUDIO) button.
- The last dialed number as the first number on the list will display on the LC D. Rotate the encoder knob to navigate through the 10 last dialed number.
- User can Long   press the "PHONE" (AUDIO) button or Short press "MODE" button to confirm dialing the selected Dialed Number from the list.
- User also can be edit the number in the dialed list. Once the desired edit dialed list appearing on the display, user can short press **"PHONE"** (AUDIO) button to enter the number edit mode. Use the Track up/down button to move the cursor back or forward to the input numeric which want to edit.

NOTE The unit only memorize the dialed numbers which dialed from the unit, it cannot memorize the number dialing from the mobile phone.

HIGHLIGHT FEATURES

- Incoming call ringing volume

   Preset the Ringing volume level for any incoming call.

NOTE Please see "MENU"- "PHONE VOL" for details operation.

- Auto Answer

   Auto Answer any incoming call.

NOTE Pls see "MENU"- "A ANSWER" for details operation.

BLUETOOTH AUDIO STREAMING A2DP (ADVANCED AUDIO DISTRIBUTION PROFILE)

User can listen to music files on an audio device on this unit if the audio device supports A2DP (Advanced Audio Distribution Profile) of Bluetooth Technology. Please read the below instruction before operating the Bluetooth Audio streaming function on this unit.

Connecting A Bluetooth Audio Device With This Unit

Before using audio device to play music on this unit, the audio device must be paired with this unit first.

NOTE
a. For the details operation of Pairing with this unit, Please refer to the PAIRING operation for more details.
b. How to use the Bluetooth audio device to pair with this unit, please referto the instruction manual of the Bluetooth device.

Tips
If the audio device has both HFP (Hands Free Profile) and A2DP (Advance Audio Distribution Profile), this unit will automatically pairing these two profiles at the same time. For ex, if a mobile phone has both HFP & A2DP profile and this mobile phone is already HFP paired with this unit, in this case A2DP audio device pairing is not necessary. And this paired mobile phone will be added automatically to the list of PAIRED DEVICE – AUDIO of this unit. Please refer to MENU of BT for details of PAIRED DEVICE operation.

Listening To Music From An Audio Device In This Unit

(1) Connect this unit with the audio device.

NOTE For the details operation of connecting with this unit, Please refer to the CONNECTING operation for more details.

(2) Press MODE button repeatedly until "BT AUDIO" appears on the display.

> *IMPORTANT:* **To listen Bluetooth audio streaming from the audio device, user MUST change the mode to "BT AUDIO" first. Any other mode of this unit is not able to activate the Bluetooth audio streaming (A2DP) function.**

NOTE If the audio device is the connected or no audio device is connecting with this unit, after mode changed to BT AUDIO mode, the display will show `BT AUDIO` If it can find Audio Device, it will display `CONNECT`, and if after a 30 seconds time out still cannot find any audio device for connecting, the unit will display `NO DEVICE`.

(3) Once in the "BT AUDIO" mode, user can use the audio device to start playback the song via Bluetooth wireless with this unit.

NOTE When mode change to BT AUDIO mode, some of the audio device may auto playback the music without operate the music playback operation and some of the device like mobile phone may need to first change into the 'Media Player' mode on the mobile phone otherwise the song cannot be direct playback via Bluetooth wireless. If the auto playback is not supported on the audio device then please refer to the instruction manual of the audio device on how to operate music playback via Bluetooth wireless technology.

Operating an audio device with this unit AVRCP (Audio Video Remote Control Profile)

This unit can perform the following operations with the connecting Audio device which supports AVRCP (Audio Video Remote Control Profile) & only if the Audio device does support AVRCP.

(1) Start playing - Every time when user change mode into "BT AUDIO" mode, this unit will automatically send a "PLAY" command via AVRCP to the audio device to command the auto start playing song in the audio device.

> **NOTE** The PLAY command may differ depending on the Audio device. If the Audio device is not able auto start playing song after changed mode into "BT AUDIO" mode, user may need to operate the PLAY mode on the audio device to start the song playback.

(2) Track up / down - by pressing the Track up / down buttons on this unit.
(3) Pause / Play − by pressing the Pause / Play button on this unit.
(4) Volume up / down − by rotating the encoder knob on this unit.
(5) Audio Mute − by pressing the Mute button on this unit.
(6) Stop playback − by mode changing mode into any other mode of this unit.

> **NOTE** The AVRCP operation may differ depending on the audio device, all the other operation other than those listed above should be performed on the audio device.

Hands-free Phoning While Bluetooth Audio Streaming

If the connecting playback audio device is a mobile phone, all the hands free function is still available under the Bluetooth audio streaming, like the answering incoming call, making an outgoing call, etc.

> **NOTE** For some model of mobiles, maybe they cannot make outgoing calls. e.g: Samsung SGH-D528

Disconnecting An Audio Device With This Unit

User can close the Bluetooth Audio connection by disconnecting with the audio device.

> **NOTE** The details operation of disconnecting with this unit, please refer to the DIS-CONNECTION operation for more details.

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BLUETOOTH WIRELESS MUSIC FILE DOWNLOAD (OPP)

Thanks for the most advance and convenient Bluetooth Wireless Technology, now user can wirelessly transfer the music file and download onto this unit's USB stick or Memory Card. Please read the below instruction before operating the Bluetooth Wireless Music File Download on this unit.

Music Format Supported By Download

This unit only can accept downloading MP3 format music file. Any other files format other than MP3 if transferred to this unit, the display will show "INVALID FILE".

Transferable Media

The MP3 file can be downloaded and stored into the following media:
• Removable USB Stick
• SD Memory Card
• MMC Memory Card

Setting Ready Download MP3 Music File Mode On This Unit

Before starting to transfer a MP3 music file to this unit, user must switch this unit to "Ready for Download" mode as per the below instruction:

(1) Access into the MENU of DOWNLOAD mode to activate the READY DOWNLOAD Procedure & then Press the ENTER (MENU) button to confirm.

NOTE> Please see MENU Operation for more details of how to access into the MENU of DOWNLOAD mode.

NOTE> This unit will automatically disconnect the connectivity with the currentBluetooth device under the download mode. This unit will automatically reconnect with the last connected Bluetooth Device after the file download is completed.

(2) Once the Read ⋙ x appears on the display, user can start sending MP3 music file from the other Bluetooth device to this unit.

Start Download MP3 Music File From Bluetooth Device To This Unit

(1) Mp3 music file from the other Bluetooth device to this unit. When this unit displays Read ⋙ x   user have 2 minutes time out to operate the file download operation on the Bluetooth device.

(2) Select a MP3 music file on the Bluetooth device need to be downloaded to this unit and choose send via Bluetooth. Now the Bluetooth device will enter into the searching mode. After the searching is completed and "BT60P" should appear on the list.

(3) Select "BT60P" as confirm to start the download.

Select A Media Device To Store The MP3 Music File Download

From Bluetooth Device

User can select the desire storage media to store the MP3 music file on this unit:

(1) When the display shows   ▣ ↳ CARD   , Rotate the encoder knob to navigate thru USB > CARD for selection of the storage media.

NOTE> a. Please make sure to keep the Bluetooth device within 2 Meter from the unit during the music file download.

b. If any storage media is not available on the unit, like USB Stick or Memory Card, Rotating the encoder volume knob will not display this media.

c. If there is no storage media available on this unit to accept the download, the display will show `NO DEVICE` .

d. If this unit detected the selected media memory capacity is used up or the. file size being. file size being download is bigger than the media memory capacity left, . `Memory Full` will be displayed.

(2) Once selected the storage media, Press the ENTER (MENU) button to confirm the selection and the file download will begin.

(3) During the MP3 music file download is processing, the display will show the percentage done . `100% CARD` After the MP3 file download is completed,the display will shown "OK" to indicate the Music file download is completed successfully.

> *NOTE* This unit will automatically reconnect with the last connected Bluetooth Device after the file download is completed.

> *Tips* a.The downloaded MP3 music file will be automatically saved as a file inside the folder "MY_BT" by the advance "File Management." System in this unit.

> b. For more details information of File Management system of this unit, please see "FILE MANAGER".

⚠ WARNING:

1. Never remove the USB stick while file downloading to USB stick, It may damage the USB stick and sometimes will caused the unit system lock up.

2. Never try to insert a USB stick while the download is under progress to other storage device. Only after the download is completed, then insert the USB stick.

3. Do not try to switch mode of the unit during the file download is under progress.

4. Do not try to turn off the Power of the unit during the file download is under progress.
5. Do not switch off the ignition key during the file download is under progress.
6. Do not detach the front panel during the file download is under progress.

To Cancel / Terminate The File Download To This Unit

If user want to cancel the file download, press the BAND (CLEAR) to terminate the file download instantly.

To Playback The File Download Into This Unit

User can listen to the downloaded music file by first switching the Mode to the storage device, and search inside the Music folder "MY_BT". This unit will automatically self-create a music folder name "MY_BT" on the storage device to store all the music files download from the Bluetooth device. All the music file playback operation is same as MP3/WMA operation. The details operation of MP3/WMA operation on this unit, Please refer to the MP3/WMA operation for more details.

Hands Free Phoning Is Not Supported While Music File Download

If the download Bluetooth device is a Hand Phone with HFP (Hands free profile) & If the download Bluetooth device is a Hand Phone with HFP (Hands free profile) & connected to this unit, during the file download, all the hands free function are NOT SUPPORTED at this moment, the Bluetooth hands free will automatically RESUME only after the file download is completed.

18. REMOTE FUNCTION(RDS +iPod)
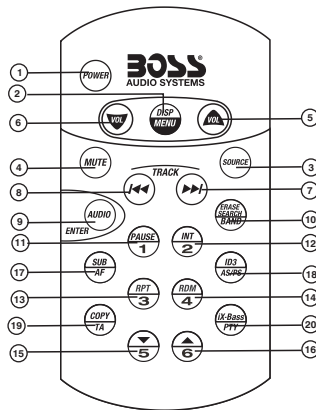
OPERATIONS:

KEY	SYSTEM		TUNER		CD/MP3/WMA		iPod	
	Short Press	Long Press	Short Press	Long Press	Short Press	Long Press	Short Press	Long Press
1	Power							
2	Display	Menu						
3	Source							
4	Mute							
5	Volume Up							
6	Volume Down							
7			Seek Up	Tune Up	Track/File Up	Fast Forward	File Up	Fast Forward
8			Seek Down	Tune Down	Track/File Down	Fast Backward	File Down	Fast Backward
9	Audio Menu				Enter		Enter	
10			Band		File/Folder Search	File Erase	iPod Search	
11			M1	Memory 1	Pause /Play		Pause /Play	
12			M2	Memory 2	Intro	Folder Intro		
13			M3	Memory 3	Repeat	Folder Repeat	Repeat	Album Repeat
14			M4	Memory 4	Random	Folder Random	Shuffle	Album Shuffle
15			M5	Memory 5	Folder Down			
16			M6	Memory 6	Folder Up			
17		Sub-W	AF					
18			PS	AS	ID3		iPod information	
19		Copy	TA					
20		ix-Bass	PTY					

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19. SPECIFICATIONS

MEDIA SECTION

USB Host   Host 1.1 compatibles 2.0
Memory Card
Support Type of Memory Card   SD and MMC

RADIO SECTION

FM

Frequency Range	87.5-108Mhz
	87.5-107.9Mhz
Intermediate Frequency	10.7 MHz
Usable Sensitivity	Better than 15dB at S/N 30 dB
Stereo Separation	25 dB at 1KHz
S/N Ratio	50 dB

AM/MW

Frequency Range	522-1620KHz
	530-1720 KHz
Intermediate Frequency	450KHz
Usable Sensitivity	Better than 45dB
S/N Ratio	40 dB

BLUE TOOTH

Power Consumption	200mA Max.
Output Power	0 dBm (Class II)
Frequency Band	2.4GHz ~ 2.4835GHz ISM Band
Range	3 meters (free space)
Standard	Bluetooth 1.2 specification

GENERAL

Power Supply	DC 11 -14V
Polarity	Negative Ground
Speaker impedance	4 ohms
Power Output	4 x 80W

REMARK :
Specifications subject to change without notice.

20. TROUBLE SHOOTING

Before going through the check list, check wiring connection. If any of the problems persist after check list has been made, consult your nearest service dealer.

Symptom	Cause	Solution
No power	The car ignition is not on.	If the power supply is properly connected to the car accessory terminal, switch the ignition key to "ACC"
	The fuse is blown.	Replace the fuse.
No sound	Volume is in minimum.	Adjust volume to a desired level.
	Wiring is not properly connected.	Check wiring connection.
The operation keys do not work	The built-in microcomputer is not operating properly due to noise.	Press the RESET button. Front panel is not properly fixed into its place
The radio does not work. The radio station automatic selection does not work.	The antenna cable is not connected.	Insert the antenna cable firmly.
	The signals are too weak.	Select a station manually.
Write Error	The Media Device not able to copy or record by the unit.	Replace the Media Device or Format the Flash Memory
Read Error	The Media Device not able to play file by the unit	Replace the Media Device or Format the Flash Memory
Memory Full	The media device memory is full not allow to copy	Replace the Media device or erase some un-usage files.
No File	No file Format supports for Playback on the file or Media Device	Replace the file or Media Device..

If at any time in the future you should need to dispose of this product please note that Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.(Waste Electrical and Electronic Equipment Directive)

765DBI

Bluetooth®-Enabled
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In-Dash Receiver
with Built-In iPod Docking station
with USB and SD Memory Card Ports
and Front Panel AUX Input

12.2008

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