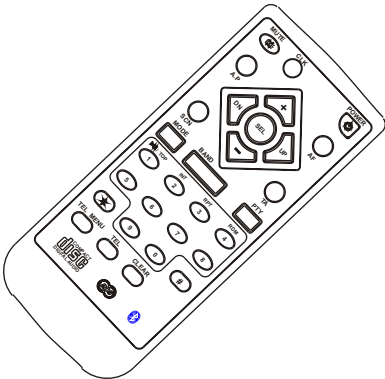
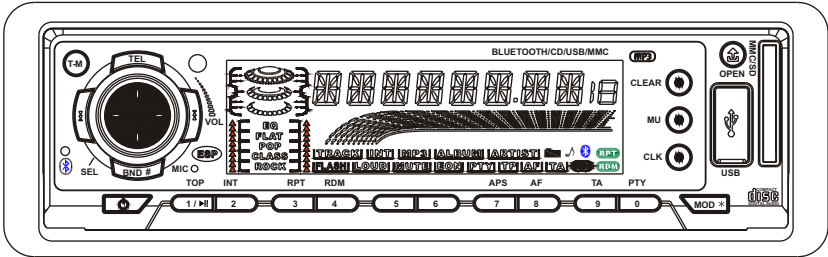


The list of compatible mobile phones with blue tooth function:

Item	Brand	model
1	Sony Ericsson	T39
2	Sony Ericsson	T68/T68i
3	Sony Ericsson	T610
4	Sony Ericsson	T630
5	Sony Ericsson	P800
6	Sony Ericsson	P910i
7	Sony Ericsson	Z600
8	Sony Ericsson	K700i
9	Sony Ericsson	K750i
10	Sony Ericsson	S700i
11	Motorola	A760
12	Motorola	V500
13	Motorola	V501
14	Motorola	V600
15	Motorola	E398
16	Motorola	E680i
17	Motorola	MPx220
18	Motorola	MPX220 Verizon
19	Nokia	8910
20	Nokia	3650
21	Nokia	6230
22	Nokia	6310
23	Nokia	6600
24	Nokia	7600
25	Nokia	7610
26	Nokia	6260
27	Sharp	GX-T15
28	Sharp	GX-31
29	Siemens	S55
30	Siemens	S65
31	Siemens	SX1
32	Siemens	SK65
33	Samsung	D500
34	Samsung	D508
35	Panasonic	X70
36	Panasonic	X88
37	Panasonic	X700
38	BenQ	M315
39	BenQ	P50
40	Dopod	818
41	Dopod	565
42	T-Mobile	MDA Compact
43	i-Mate	JAM
44	i-Mate	SP3
45	O2	XDA II mini
46	Qtek	S100
47	Qtek	8010
48	SPV	C500

Note: for the function transferring the audio of the file being played by itself to the Car Audio Player, the Mobile Phone must support A2DP.

INSTRUCTION MANUAL



5 IN 1 CAR AUDIO SYSTEM WITH
AM/FM-RDS DIGITAL PLL TUNING RADIO
MMC/SD USB CD(ESP)/MP3/WMA AND
BLUE TOOTH HANDFREE SYSTEM

Remark:

1. In addition to normal audio CD, this unit can play CD-R and CD-R/W disc that contain audio tracks as well; however, depending on the conditions of the recording equipment, recording program or the CD-R as well as CD-R/W disc itself, some CD-R or CD-R/W may not play.
2. When making music CD with CD-R or CD-R/W disc, too high recording speed may result in poor signal quality and therefore, it is recommendable to select 24x or lower speed for CD-R recording and 4x or lower speed for CD-R/W recording.

FCC Warning

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

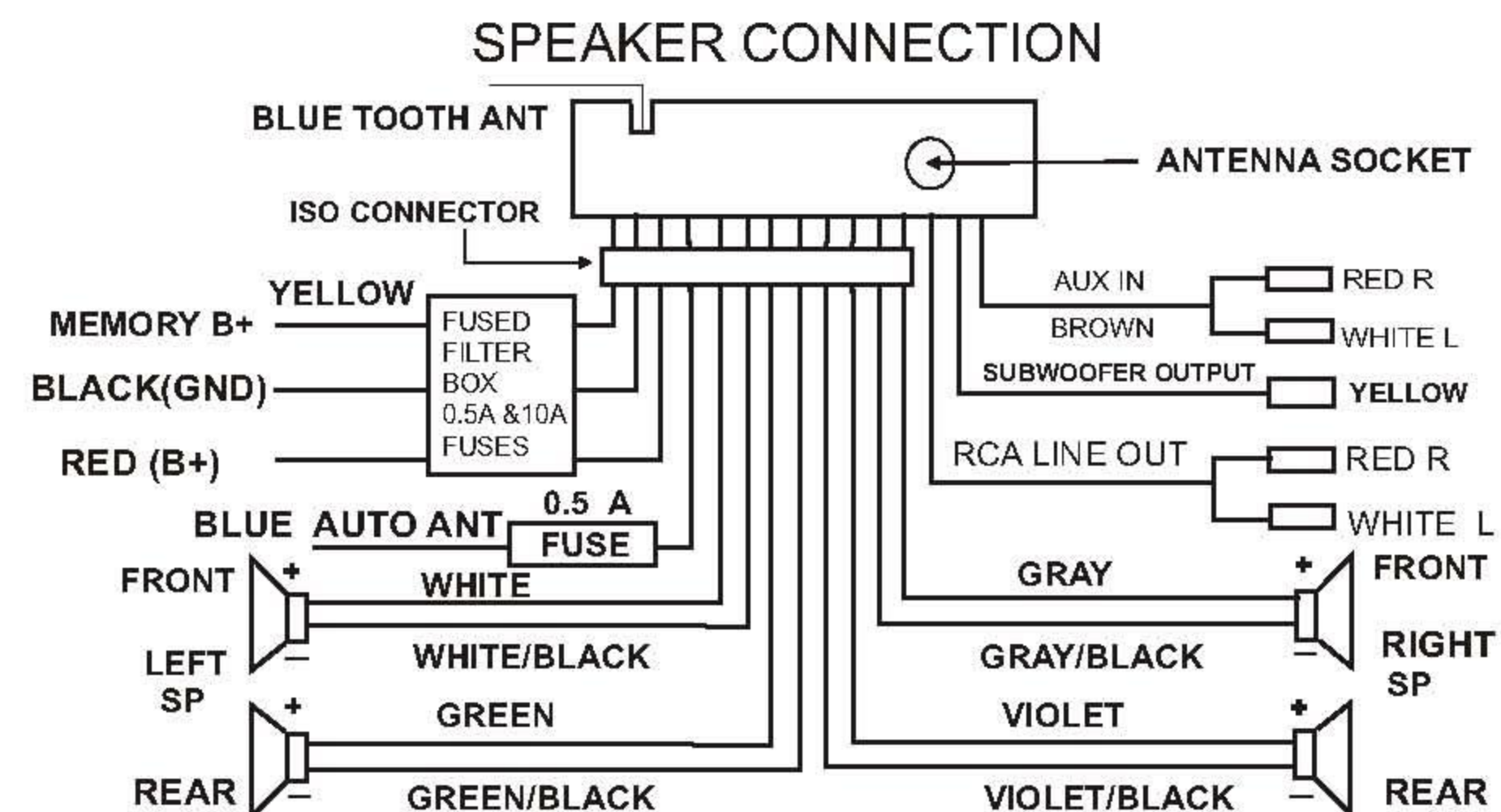
This equipment has been tested and found to comply with the limits for a class B digital Device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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



Caution:

Although the purpose of applying this Bluetooth system is trying to minimize the risk of traffic accident which may take place providing that the driver is engaged in telephone conversation during driving, it might not absolutely prevent the occurrence of serious traffic accident. Manufacturer of this product is not in the position to responsible to any traffic accident or problem induced due to the application of this Bluetooth system.



NOTES:

1. Only speakers with 4 ohms impedance may be used.
2. Ensure that the blue auto antenna cable does not make contact with any ground connection.

SPECIFICATION

GENERAL

Power supply requirement.....	DC 12V.
Current consumption.....	10A MAX.
Maximum power output.....	4 X 25W(Measured at 14.4V).
Number of channels.....	2 STEREO.
Chassis dimensions.....	178[W] X 50[H] X 165[D].

FM SECTION

Frequency range.....	87.5MHz - 108MHz
Usable sensitivity.....	3uV.
I.F Frequency.....	10.7MHz.

AM SECTION

Frequency range.....	522KHz - 1620KHz
I.F Frequency.....	450KHz
Usable Sensitivity.....	40dB

LINE - OUT [OPTION]

Output.....	MAX 1200mV
-------------	------------

CD/MMC/SD or USB PLAYBACK

System.....	MP3/WMA audio system.
Usable disc.....	CD/CD-R/CD-RW/MP3/WMA
Frequency response.....	20-100Hz ≤ 5dB
	10-20KHz ≤ 5dB.
Signal to noise ratio(CD).....	50dB [1KHz]

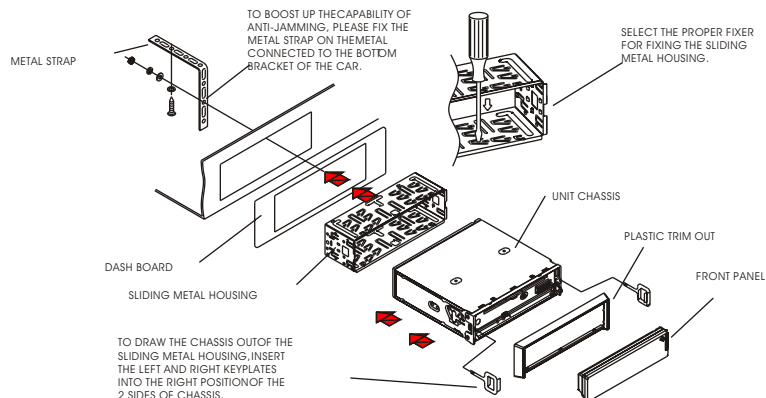
INSTALLATION

INSTALLATION WAY

IT IS AN ANTI-THEFT INSTALLATION WAY THE CHASSIS WEAR A METAL SLIDING HOUSING. PLEASE HAVE THE WIRING CONNECTION OF THE POWER SUPPLY, SPEAKERS AND ANTENNA AS FORTH REQUIREMENT OF THE MANUAL. THEN INSTALL THE METAL SLIDING HOUSING INTO THE CAR ACCORDING TO THE DIAGRAM.

TO BOOST UP THE CAPABILITY OF ANTI-JAMMING, PLEASE FIX THE METAL STRAP ON THE METAL CONNECTED TO THE BOTTOM BRACKET OF THE CAR.

SELECT THE PROPER FIXER FOR FIXING THE SLIDING METAL HOUSING.



TO DRAW THE CHASSIS OUT OF THE SLIDING METAL HOUSING, INSERT THE LEFT AND RIGHT KEYPLATES INTO THE RIGHT POSITION OF THE 2 SIDES OF CHASSIS.

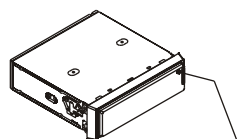
NOTE

REMOVE THE CD MECHANISM TRANSPORT SCREWS BEFORE OPERATING.

REMOVE THE SLIDING METAL HOUSING AWAY

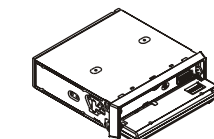
TO INSTALL THE FRONT PANEL BACK TO THE UNIT CHASSIS, FIRSTLY MAKE THE LEFT GUIDE BLOCK HOLE AND THE LEFT CYLINDER LINE UP AND THEN COMBINE THEM, THEN MAKE THE RIGHT GUIDE BLOCK HOLE AND THE RIGHT CYLINDER LINE UP AND THEN COMBINE THEM, FINALLY FLIP THE FRONT PANEL UP TO COMBINE WITH CHASSIS.

PRESS THE RESET BUTTON SHOULD THE LCD DISPLAY BE ERRATIC, SOME BUTTONS CEASE OPERATING, OR THE SOUND BECOME DISTORTED.

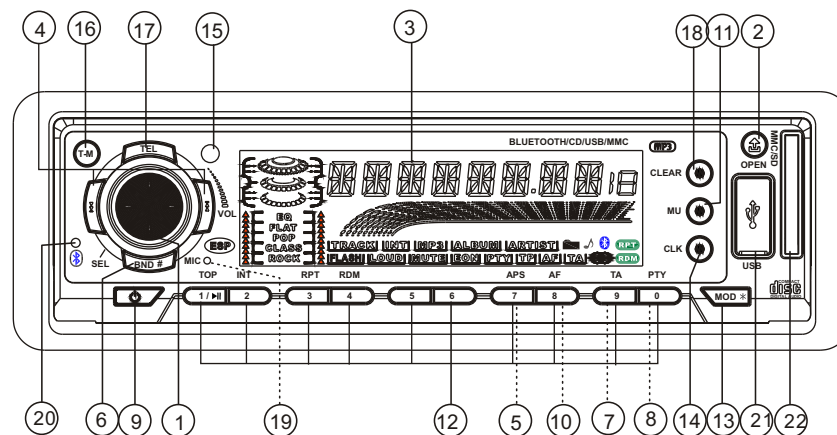


TO INSERT DISC INTO COMPARTMENT OR EJECT DISC OR REMOVE THE FRONT PANEL AWAY FROM THE CHASSIS, PRESS THE OPEN BUTTON TO FLIP DOWN THE FRONT PANEL.

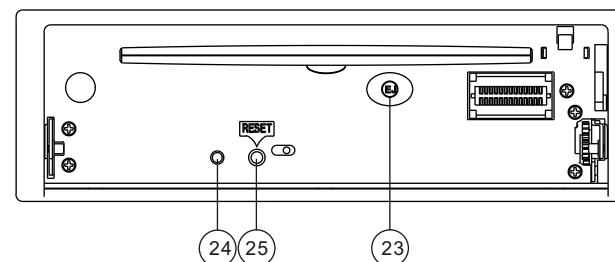
TO REMOVE THE FRONT PANEL AWAY FROM THE CHASSIS, FIRSTLY PUSH THE FRONT PANEL HOLD RIGHTWARDS AND THEN PULL THE LEFT SIDE OF THE FRONT PANEL OUTWARDS



LOCATION AND FUNCTION OF CONTROLS



The front panel



The front facet after removing the front panel

- | | |
|------------------------------|--|
| 1. SEL button and VOL knob | 2. OPEN button |
| 3. LCD | 4. >> or << buttons |
| 5. APS button | 6. BAND and # button |
| 7. TA button | 8. PTY button |
| 9. POWER button | 10. AF button |
| 11. MUTE button | 12. TOP/PLAY/PAUSE, INT, RPT, RDM and 0-9 Number buttons |
| 13. MODE and * button | 14. CLOCK button |
| 15. IR Sensor | 16. T-M button |
| 16. T-M button | 17. TEL button |
| 18. CLEAR button | 19. Built-in microphone |
| 20. Bluetooth LED indicator | 21. USB socket |
| 22. MMC/SD socket | 23. EJECT button |
| 24. Anti-theft LED indicator | 25. RESET button |
| 26. SCAN button | |

Common operation:

1. To turn on/off the unit
Press any button except the EJECT and OPEN buttons to turn on the unit. It also can turn on the unit to insert disc, MMC/SD card or USB bar into their compartment or socket. press PWR button hold for more than 0.5 seconds to turn off the unit.
2. To select playback mode
Press MODE button to select RADIO, DISC, CARD(after inserting MMC/SD card), USB(after inserting USB bar) and AUX(It will be available if it set by manufacturer) mode.
Under RADIO, DISC CARD, USB or AUX mode, whenever short press TEL button, Bluetooth mode will be activated and working at the background.If no further action within 10 seconds after short pressing TEL button, Bluetooth mode will be cancelled.
3. To adjust the volume level
Rotate the VOL knob to adjust the volume level during playback.
4. To mute or resume the sound
Press the MUTE button to eliminate or resume the sound immediately during playback. To resume the sound immediately, can also press MODE, BAND, SEL button or rotate VOL knob button.
5. To display and adjust the clock time
- 5.1 RADIO MODE
When RDS DATA is received, press the CLOCK button shortly and repeatedly to display the following items alternatively:
--->PS NAME ---> CLOCK --->FREQUENCY --->PTY--->
When RDS DATA is not received, press the CLOCK button shortly and repeatedly to display the following items alternatively:
--->FREQUENCY ---> CLOCK --->PTY--->
- 5.2 MMC/SD, USB or DISC MODE
Press the CLOCK button shortly to display time for 5 seconds, and then it returns to its previous display unless the button is pressed again.
- 5.3 time adjustment
In the clock mode, press CLOCK button hold for more than 1 second to flash time and then rotate VOL knob to adjust hour or minute.
6. To select and adjust the mode of the sound and menu
- 6.1 To select and adjust the sound mode:
Press SEL button shortly and repeatedly to select the mode of VOL(volume),BAS (BASS)(without preset DSP), TRE(treble)(without preset DSP), BAL(balance) and FAD(FADER) in the sequence and circulation. In each mode, the waiting time is about 5 seconds, and when the waiting time is over, it will return to the last display mode. After select a desired sound item, rotate VOL knob to adjust level of the selected sound item.
- 6.2 To select and adjust the menu mode:
Press SEL button long to turn on MENU mode, and the LCD will display TA SEEK /TAALARM, then press SEL button shortly and repeatedly to select PI SOUND/PI MUTE, RETUNE L/RETUNE S, MASK DPI/MASK ALL, BEEP 2ND/BEEP ALL/ BEEP OFF, SEEK1/SEEK2(in RADIO mode), DSP OFF/FLAT/POP M/CLASSICS /ROCK, LOUD OFF/LOUD ON, SUBW OFF/ON(It will be available if it set by manufacturer), STEREO/MONO(in RADIO mode), DX/LOCAL(in RADIO mode), VOL LAST/ VOL ADJUST(When it is in VOL ADJUST mode, the next mode will be A-VOL after VOL ADJUST mode, then you can adjust the volume level. The minimum value of the volume level you can set is 10) and ESP10/ESP40 in the sequence and circulation. After selecting a desired mode, rotate VOL knob to select one setup item of the desired mode.

TROUBLE SHOOTING

To solve the common problem, read the trouble shooting list. If you still can not solve the problem, 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, switch the ignition key to " ACC "
	The fuse is blown	Replace the fuse
Disc cannot be loaded	Presence of a disc inside the player	Remove the disc in the player, then put a new one upward.
Disc cannot be read	Inserting the disc in upside down	Insert the compact disc with the label facing upward
	Compact disc is extremely dirty or defective	Clean the disc or try to play a new one
	Temperature inside the car is too high	Cool off until the ambient temperature returns to normal
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	1.The built-in microcomputer is not operating properly due to noise 2.Front panel is not properly fix into its place	1. Press the RESET button 2. Reinstall the front panel
Sound skips	The installation angle is more than 30 degrees	Adjust the installation angle to less than 30 degrees
	The disc is extremely dirty or defective	Clean the compact disc or try to play a new one
The radio does not work; the radio station automatic selection does not work	The antenna cable is not connected; the signals are too weak.	Insert the antenna cable firmly; select a station manually.

PRECAUTIONS AND MAINTENANCE

1. If the car interior is extremely hot, as after being parked in the sun, do not use the player until the car has been driven for a while to cool off the interior.
2. The protective case is to safely keep the front panel. (See fig.1)
3. The unit is designed for negative terminal of the battery which is connected to the vehicle metal. Please confirm it before installation.
 - * Do not allow the speaker wires to be shorted together when the unit is switched on. Otherwise it may overload or burn out the power amplifier.
4. About discs: Handle the disc by its edge. And to keep the disc clean, do not touch the surface. (See fig.4)
 - * Before playing, wipe the disc in the direction of the arrow with a clean, lint-free cloth. Do not use solvents such as benzene, thinners. (see fig.2)
 - * Insert a disc with the label surface up. (See fig.3)
 - * Do not try to insert another disc when one has been already inserted.
 - * Do not stick paper or tape on the disc.
 - * Do not expose the disc to direct sunlight or heat sources such as hot air ducts.

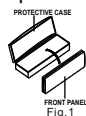


Fig.1



Fig.2



Fig.3



Fig.4

REMOTE CONTROLLER

Loading/unloading the battery of the remote controller

1. Please remove the insulating sheet out of the remote controller when first use. Insulating sheet pull out direction as per fig. 1.
2. When changing battery for remote controller, first push the movable block hold in the direction as indicate in Fig. 2 arrow A. Then pull the battery holder out from the remote controller in the direction as indicate in Fig.2 arrow B.
3. Replace the old battery by a new battery with (+) polarity side upward. Then return the battery holder to the remote controller by pressing the battery holder. Please see Fig.3.



Fig.1

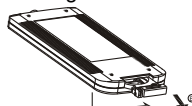


Fig.2

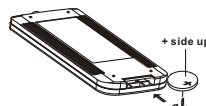


Fig.3

Note about the battery of remote controller:

1. Improper use of battery may cause overheating or explosion, so that result in injury or fire.
2. Battery leakage may cause damage to the remote controller (Battery Life: 6 months with normal use in normal room temperature).
3. Do not short the battery.
4. Do not throw the battery into the fire.
5. To avoid the risk of accident, keep the battery out of reach of children.

1) TASEEK/TA ALARM:

TASEEK mode: when newly tuned station does not receive TP information for 5 seconds, the radio retunes to next station which has not the same station (PI) as the last station, but has the TP information.

When TP information gets lost at the current station for retune time which is set by RETUNE SHORT (60 seconds) or RETUNE LONG (90 seconds), the radio start to retune to next same PI station. When same PI station does not catch in 1 cyclic search, the radio retunes to next station with TP information.

TA ALARM mode: when this mode is selected, any automatic retune mode is not activated. Only double beep sound (ALARM) is out-put.

When newly tuned station does not have TP information for 5 seconds, beeps come out.

When TP information gets lost at the current station for retune time, the beep sound is out-putted.

When newly tuned station has not RDS signal, PI SEEK is suppressed somewhat.

2) PI SOUND/ PI MUTE:

PI SOUND mode: if a car cruises that critical area back and forth, an oscillation phenomenon can be occurred, because the different PI code can be receive from a same AF. when the different PI sound (DIP) is heard once in a while, the different PI sound will be heard for less than 1 second.

PI MUTE mode: under above same situation, a mute sound will be heard for less than 1 second.

3) RETUNE L / RETUNE S:

The initial time of automatic TAsEek or PI SEARCH mode is selected.

When PI information is not caught for retune time, the radio start to retune to next same PI station.

When same PI station does not catch 1 cyclic search, the radio goes to last station and waits for 4-5 minute until PI code is received.

RETUNE L mode: selected as 90 seconds.

RETUNE S mode: selected as 60 seconds.

4) MASK DPI/MASK ALL:

MASK DPI mode: masked only the AF which has different PI.

MASK ALL mode: masked the AF which has different PI and NO RDS signal with high field strength.

5) BEEP 2ND/BEEP ALL/BEEP OFF:

BEEP 2ND mode: the beep is only generated when an allotted double key is pressed long (1 second).

BEEP ALL mode: the beep is generated when every key is pressed (except power and release buttons).

BEEP OFF mode: the beep is disabled.

6) SEEK1/SEEK2:

SEEK1: press the >> / << button hold to seek up or down for the strong signal station. And then stop seek when received the strong signal station.

SEEK2: press the >> / << button hold to seek up or down for the strong signal station. And do not stop seek when received the strong signal station. After release it and then received the strong signal station, the seek will stop.

7. To reset the system

press the RESET button to reset the system when the LCD display be erratic, some buttons cease operating, or the sound become distorted.

8. To remove the front panel

Press the OPEN button to flip down the front panel and then remove it from the head unit. And the anti-theft LED indicator will be flash all the time till the front panel is assembled back to the head unit.

RADIO OPERATION:

1. To select radio band
In RADIO mode, press the BAND button shortly and repeatedly to select your desired radio band in sequence and circulation as follows:
-->FM1-->FM2-->FM3-->MW1-->MW2-->
2. To select the radio station manually or automatically
In RADIO mode, press >>| or |<< button shortly and repeatedly to manually tune up or down for the desired radio station with step by step. Press >>| or |<< button long to automatically tune up or down for the radio station of strong signal.
3. To store the current station or turn on the preset station
In RADIO mode:
 - 3.1 Press one of 1-6 number buttons hold for more than 1 second until the second beep output to store the current station in the preset memory bank of the number button for the current band. So the unit can store 30 preset stations. When a RDS station is being stored, PI, PS, AF list are stored.
 - 3.2 Press one of 1-6 number buttons shortly to turn on the preset station stored in the preset memory bank of the number button for the current band. In case of RDS mode, the strongest AF is turned on after AF searching.
4. To automatically store for the strongest stations and scan for each stored stations
In RADIO mode:
 - 4.1 Press the APS button long, it will search from the current frequency and check the signal strength until 1 cycle search is finished on current band, and then 6 strongest stations will be preset to the corresponding preset memory banks of the 6 number buttons. When the auto-storage operation is completed, it will turn on the preset station stored in the memory bank of the 1 button.
 - 4.2 Press the APS button shortly to scan for each preset station for the current band. When the field strength level is more than the threshold level of stop level, the radio is holding at that preset station for 5 seconds with releasing mute, while memory digital and frequency will flash on LCD, and then scan again.
In FM band, Fm1, Fm2 and Fm3 is checked one at a time.
5. To scan for strong signal of radio station
Press SCAN button to scan up by one channel step with station detection. If a valid signal has detected, the current frequency is blinked within 5 seconds, then press it again to stop scan and remain the current frequency; otherwise, the unit continue to scan up by one channel step with station detection 5 seconds later.
6. To tune for RDS station
Press PTY button shortly and repeatedly to select one of the following mode:
PTY MUSIC group- - PTY SPEECH group- - PTY OFF
While selecting PTY TYPE, its selection is implemented by preset buttons (press one of the 6 preset buttons shortly and repeatedly to select the PTY TYPE in the preset button) as follows:

PTY music group -----PTY speech group ----- OFF	
1. POP M, ROCK M	1. NEWS, AFFAIRS, INFO
2. EASY M, LIGHT M	2. SPORT, EDUCATE, DRAMA
3. CLASSICS, OTHER M	3. CULTURE, SCIENCE, VARIED
4. JAZZ, COUNTRY	4. WEATHER, FINANCE, CHILDREN
5. NATION M, OLDIES	5. SOCIAL, RELIGION, PHONE IN
6. FOLK M	6. TRAVEL, LEISURE, DOCUMENT

When PTY MUSIC or PTY SPEECH is on, the previous PTY program and PTY word is displayed on LCD. If there are no keys entered for 2 seconds, previously selected PTY is searched. During 1 loop, if desired PTY is not found, NO PTY is flashed, then return to previous normal radio and PTY word disappear.

- (2) Short press any one of the number buttons or rotate VOL knob to check the preset number. If the selected memory platform has not preset phone number, EMPTY will appear on LCD.
- (3) Short press TEL button to dial with the preset number.
4. Accept/ Reject/ Hold/ End Call
 - 4.1 During ringing, short press TEL button to accept the call
 - 4.2 During ringing, short press CLEAR button to reject the call
 - 4.3 During talking, short press T-MENU button to hold the call(no voice). Short press T-MENU button again to resume the call(can hear the voice again).
 - 4.4 During talking, short press CLEAR button to end the call
Note: During talking, talking time appears. During ringing, PHONE appears.
5. Call transferring
During talking status, long press TEL button to exit handfree system for a private listening over the mobile. Long press TEL button again to get back to handfree system again. During call transferring, TRANSFER appears on LCD.
6. Memory Call
 - 6.1 Procedures to preset or edit phone number into number buttons 0-9
 - (1) Short press TEL button to enter Calling mode.
 - (2) Long press T-Menu button to enter PRESET status.
 - (3) Input or edit telephone number one by one.
 - (4) Long press the relevant number button to store the latest preset number.
 - 6.2 Follow above 3.5 procedures to dial with preset phone number
7. Talking volume level setting
At talking status, adjust the sound output to a suitable level and this sound level will be kept as default.
8. Telephone setup Menu
Long press T-MENU button to enter setup menu and then short press T-MENU button repeatedly to select the setup items as follows:
- AUTOANS/MANUAL: To enable or disable automatic answer call by rotating VOL knob.
- RING VOL: To set the ring-tone volume level by rotating VOL knob.
9. Automatic answer call
If Automatic Answer Call is selected in T.MENU, the unit will accept a call automatically after 3 times of ringing tone.
10. Dialling or receiving call at unit sleep mode
When the car audio at sleep mode (Acc on and Power off), to execute a dialling (with mobile phone) or there comes a call, the car audio will temporarily woke up. After the call has been done, it gets back to unit sleep mode.
11. To transfer the audio of a file played by Mobile Phone to the Car Audio Player
In the connection status between the Bluetooth devices of the Car Audio Player and a Mobile Phone, if the mobile phone can play audio or video files and support A2DP, when the Mobile Phone plays an audio or video file(For some Mobile Phones, you must select Play by BT firstly), press the MODE button to switch on the A2DP mode, then the audio of the playing file will be transferred to the Car Audio Player. In A2DP mode, if the Bluetooth device of the Mobile Phone support AVRCP, the functions of the >>|, |<< and PLAY/PAUSE buttons are the same as one in disc mode(no fast forward/backward functions for the >>|/|<< buttons). The other buttons available in disc mode are not available.
In A2DP mode, if the Bluetooth device of the Mobile Phone support A/RCP, pressing the MODE button can switch on between the radio, disc, USB, CARD and A2DP. But after entered the A2DP mode again, to resume the audio of the file played and transferred to the Car Audio Player by the Mobile Phone, you must press the PLAY/PAUSE button.

- 1.2 During pairing, turn on the Bluetooth mode of the mobile phone, then select the item of Finding the Bluetooth Device and enter it. After finishing the finding, it will show the name of the Bluetooth Device if finding a Bluetooth Device. Select it and enter it, then it will show a interface that ask you to input a password, input the password 1234 and then enter it. Then it will tell you that pair OK and connection OK, and the LCD of the car audio system will show PAIR OK and then show CONN OK.
2. Connection or disconnection
 - 2.1 Use the mobile phone to do connection or disconnection
 - 2.1.1 In the connection status, find the paired and connected Bluetooth Device, then press the disconnection button to do disconnection.
 - 2.1.2 In the disconnection status, find the paired and disconnected Bluetooth Device, then press the connection button to do connection.
 - 2.2 Use the front panel of the car audio system to do connection or disconnection
 - 2.2.1 In the connection status, long press the CLEAR button to do disconnection.
 - 2.2.2 In the disconnection status, short press the TEL button to do connection.
- Note:
 - (1) CONN OK appears on LCD upon successful connection; NOT CON appears on LCD if connection fail.
 - (2) The Bluetooth LED indicator on the front panel indicates the three connection status:
 - LED Turn off: No connection at all
 - LED Blinking: Connection status
 - LED Turn on: Talking status
 - (3) Bluetooth icon appears on LCD only when in connection status.
 - (4) In the connection status: Mobile phone transfers to the car audio whenever a dialling takes place; Mobile phone transfers to the car audio whenever receiving a call.
3. Dialling when in connection status
 - 3.1 Dial with the mobile phone directly.
 - 3.2 Dial with remote control or front panel with the following procedures:
 - (1) Short press TEL button, then CALL will appear on LCD.
 - (2) Input telephone number with number buttons 0-9
 - (3) Short press CLEAR button to cancel the wrongly input number if necessary
 - (4) Long press CLEAR button to cancel all the input numbers if necessary.
 - (5) Short press TEL to execute the dialling. The talking time will appear on LCD if dialling is successful and it is received.
 - 3.3 Voice Dialling
 - (1) At connection status.
 - (2) Recording your voice from the mobile phone itself to your mobile voice book at first.
 - (3) Short press TEL button
 - (4) Short press T-MENU button and there will be a beep sound
 - (5) Say the name which has been recording in your mobile voice book towards the microphone
 - (6) If the dialling is successful, ring-tone can be heard
 - (7) If the dialling is not successful, LCD will show No Match and it will get back to the last mode.
 - 3.4 To redial the last phone number dialled
 - 3.4.1 Short press TEL button twice continually. It will show the last phone number dialled on LCD.
 - 3.4.2 Short press TEL, It will dial the number directly.
 - 3.5 To dial with preset phone number:
 - (1) Short press T-MENU button;

7. To alternate the weak signal of RDS station with a strong one

When pressed the AF button short, AF switching mode is selected and the state of AF switching mode is displayed by AF segment in display.

Segment off: AF switching mode off.

Segment on: AF switching mode on, and has RDS information.

Segment flashing: AF switching mode on, but RDS information is not received yet.

When AF switching mode is selected, the radio checks the signal strength of AF all the time. The interval of checking time of each AFs depends on the signal strength of current station, from a few minute for strong station to a few seconds for weak station. Every time that new AF is stronger than current station, it switches over to that frequency for very short time, and NEW FREQUENCY is displayed for 1-2 second. Because the mute time of AF switching or checking time is very short, it is almost inaudible in case of normal program. (When AF flash on LCD, it will search for RDS station. If AF and TP flash on LCD, it can only search for traffic announcement station) . During FM mode, when AF is on, SEEK, (SCAN), AUTO-MEMORY function can only receive and save RDS program.

When pressed the AF button long, AF mode is converted to REGION ON/OFF mode.

REGIONAL MODE ON:

AF switching or PI SEEK is implemented to the station which have all PI codes are same as current station.(PI CODE is checked when AF CHECK in progress)

REGIONAL MODE OFF:

The regional code in the format of PI code is ignored when AF switching or PI SEEK is implemented.(PI CODE and COVERAGE AREA is not checked when AF CHECK in progress)
8. TA[TRAFFIC ANNOUNCEMENT] BUTTON
 - (1) When press the button, it is activated as TAmode on or off.

When TAmode is on(TA is displayed on LCD), it will begin to seek TA station and TASEEK will be displayed on LCD for a while.

When traffic announcement is transmitted:

 - 1) If the unit is in MMC/SD, USB or disc mode, it will switch to radio mode temporarily.
 - 2) Temporarily switch over to an EON linked station when EON detects a traffic announcement on that other program, and TP will be displayed on LCD
 - 3) If volume level is below 20, volume level is raised to 20, and returns to its previous mode and volume level when the traffic announcement is over.

If volume is adjusted during traffic announcement, only the traffic announcement volume is valid.

* TA interruption function:

The current traffic announcement is cancelled by pressing this key. But the TA mode will not be off.

* When TA is on, SEEK, (SCAN), AUTO MEMORY function can be received or saved only when traffic program identification code has been received.

When TA is ON, traffic program identification code is not received during specified time.
 - (2) When pressed long, it is selected EONTALOCAL/EONTADISTANCE mode.

The purpose of this key is to reduce unwanted EON TAswitching, which EON TA Information was received from current station and the radio switched to that EON linked station, but no information could not be received because the EON linked station is located too far from that area. So the radio is switched back to current station again. In above operation, a customer listen to a wrong program or mute sound for a while.
- 1).EONTALOCAL mode:

When the filed strength level of EON linked is less than the threshold level, the radio does not switch that station, and a customer can hardly listen to any disturbances.

When EONTA LOCAL mode is selected, EONTALO on numeric display is indicated for a few seconds.

2).EONTADISTANCE mode:

EON TAswitching is try to implemented by the information of current station. When EONTADISTANCE mode is selected, EONTA DX on numeric display is indicated for a few seconds.

MMC/SD, USB or DISC OPERATION:

1. To load/unload disc
Press the OPEN button to flip down the front panel and then insert the disc into the disc compartment or press the EJ button to eject the disc from the disc compartment.
2. To load/unload MMC/SD card or USB storage
When needing to do MMC/SD or USB playing, insert the MMC/SD card or USB storage into MMC/SD compartment or USB socket. Then the playing mode will be changed into MMC/SD or USB mode and display CARD or USB on LCD(When MMC/SD card and USB storage are both inserted into their compartment or socket, the playing mode will be changed into the mode of the latter one), and then play the first track of MMC/SD or USB. When needing pull out the MMC/SD card, firstly press MMC/SD card once, then pull it out.
3. To select next or previous track to play
In MMC/SD, USB or DISC mode, press the >>| button to select next track to play. press the |<< button within 1 seconds after selecting a track to select the previous track to play. Press the |<< button 1 seconds later after selecting a track to select the current track and play from the beginning of the current track.
4. To select next or previous 10 track to play for MMC/SD, USB or MP3/WMA
In MMC/SD, USB or MP3/WMA mode, short press M5 or M6 button to select next or previous 10 TRACK during normal play.
5. To play fast forward or backward
In MMC/SD, USB or DISC mode, during playback, press >>| or |<< button hold to skip forward or backward.
6. How to use the PLAY/PAUSE/TOP button
In MMC/SD, USB or DISC mode, during playback, press TOP button to pause MMC/SD, USB or Disc playback, press TOP button again to resume MMC/SD, USB or Disc playback. Press TOP button long to play the first track of the MMC/SD, USB or Disc.
7. To scan tracks
In MMC/SD, USB mode, press INT button shortly to display M-INT and play the first 10 seconds part of each track of all.
In CD/MP3/WMA disc mode, press INT button shortly to display S-INT and play the first 10 seconds part of each track of all.
In MMC/SD, USB or MP3/WMA disc mode, Press INT button long to display D-INT and play the first 10 seconds part of each in current folder.
In INT mode, press INT button again to stop INT mode and retain playing the track currently selected.
8. To repeat track(s)
In MMC/SD, USB mode, press RPT button shortly to display M-RPT and play the current track repeatedly.
In CD/MP3/WMA disc mode, press RPT button shortly to display S-RPT and play the current track repeatedly.

In MMC/SD, USB or MP3/WMA disc mode, Press RPT button long to display D-RPT and play the current folder repeatedly.

In RPT mode, Press RPT button again to cancel RPT mode.

9. To play tracks in random
In MMC/SD, USB mode, press RDM button shortly to display M-RDM and play the track of all in random order.
In CD/MP3/WMA disc mode, press RDM button shortly to display S-RDM and play the track of all in random order.
In MMC/SD, USB or MP3/WMA disc mode, Press RDM button long to display D-RDM play the track in the current folder in random order.
In RDM mode, Press RDM button again to cancel RDM mode.
- 10.To quickly select the track in MP3 format to play
In MMC/SD or USB mode, press APS button repeatedly to select TRACK SEARCH or DIRECTORY SEARCH mode.
In MP3/WMA disc mode, press APS button repeatedly to select TRACK SEARCH, FIRST CHARACTER SEARCH or DIRECTORY SEARCH mode.
 - 1) In TRACK SEARCH mode of MMC/SD, USB or MP3/WMA disc, the LCD will display MP3/WMA T 000 and flash the biggest digit 0 that the MMC/SD card, USB storage or MP3/WMA disc contain. Then rotate VOL knob to select the number of the flashing digit from 0 ~ 9. Then press SEL button to confirm the number and flash next smaller digit 0. With the same means, select the number of the flashing digit. After finishing selecting the number of all flashing digit, press SEL button to play the track of the selected serial number.
 - 2) In DIRECTORY SEARCH mode of MMC/SD, USB or MP3/WMA disc, the LCD will display the root folder(if there is not the root folder, it will found a root folder named ROOT). Then rotate VOL knob to select your desired folder and then press >>|<< button to select your desired track in the folder. Finally press SEL button to play the selected track.
 - 3) In FIRST CHARACTER SEARCH mode of MP3/WMA disc, the LCD will display A--, If there are files names its first character are A , theis the first file name its first character is A by the order of A~Z and 0~9; otherwise, theis NONE. Rotate VOL knob to select file s first character by the order of A~Z and 0~9. Then press >>| or |<< button to select one file its first characters is the selected one. Finally press SEL button to play the selected file.
- 11.To display ID3 information
In MMC/SD, USB or MP3 disc mode, if you press BAND button repeatedly, the file name, folder name, song s title, artist and album information will be scrolling on the LCD display.
As long as the current playing MP3 music contains relevant ID3 tag information in version 1.0/2.0 format, the 3 items underlined above will be scrolling on the LCD display; otherwise, they will not.
- 12.To play CD/MP3 format-mixed disc
In CD/MP3 format-mixed disc playback mode, long press BAND button, it will change from one mode to another mode.

BLUE TOOTH HANDFREE SYSTEM:

1. Pairing
 - 1.1 Long press MODE button more than 3 seconds to allow pairing with a mobile phone, and PAIRING will be displayed on LCD. To leave pairing mode, long press MODE button again.