USER'S MANUAL

742RGB
MP3-COMPATIBLE CD AM/FM RECEIVER

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BOSS
AUDIO SYSTEMS

0914
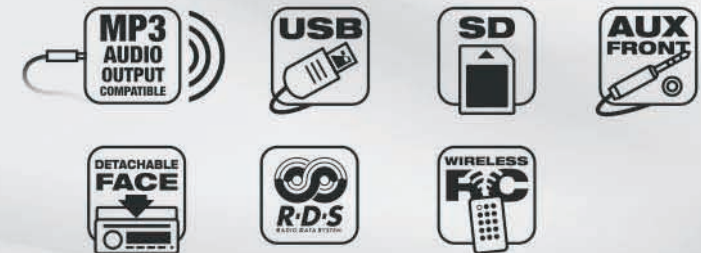
BOSS
AUDIO SYSTEMS

LOCATION AND FUNCTION OF CONTROLS
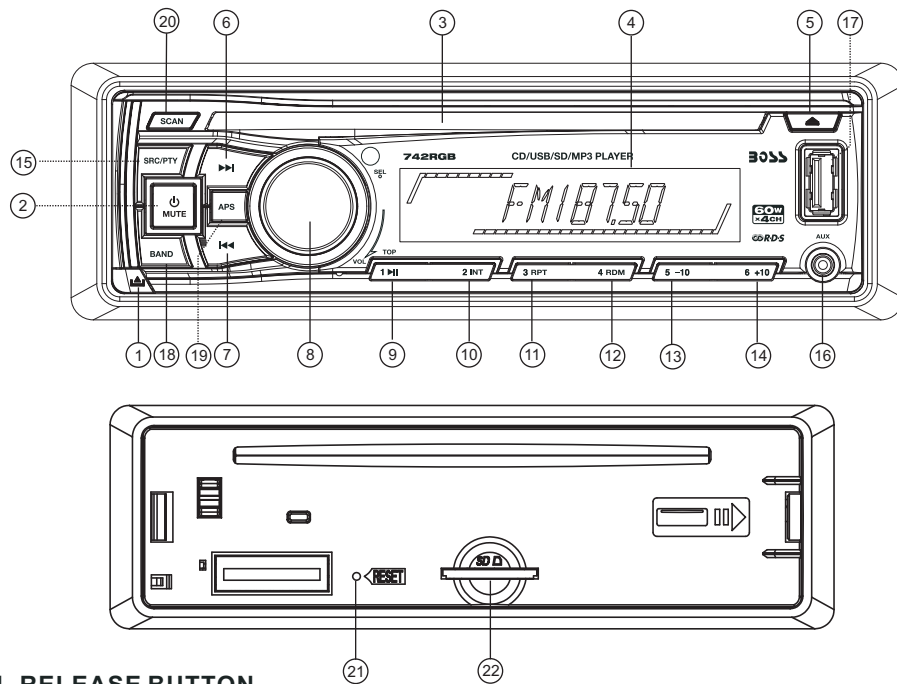
1. RELEASE BUTTON
Press the REL button to release the front control panel from the unit chassis, then pull it up a little to remove from the unit chassis.

2.POWER ON/OFF & MUTE
When the unit is power off, the unit comes to on by pressing any button except the EJECT and the RELEASE button.
When the unit is power on, press and hold the power button for more than 1 second, the unit goes into power off mode.
When the unit is power on, press the power to switch the MUTE state on/off.

3. CD SLOT

4. LCD Display

5.EJECT KEY
In the power on state, the loaded disc can be ejected by pressing the EJ key.
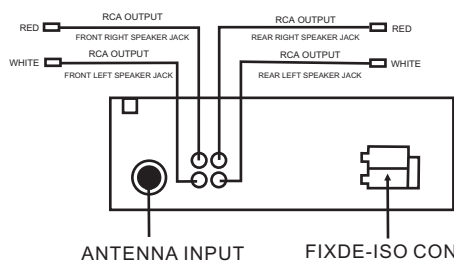
6&7. TUNE, SEEK, TRACK, SKIP UP / DOWN BUTTONS
 a) During RADIO mode:
Press the >>| or |<< button briefly to manual tune up/down for the desired radio station frequency step by step.
Press and hold the >>| or |<< button for longer 1 second to automatically tune up/down for the radio station frequency.

WIRING

ANTENNA INPUT   FIXDE-ISO CONNECTOR   ISO SOCKET SKETCH

CONNECTOR A	CONNECTOR B
1.	1. Rear Right Speaker (+)
2.	2. Rear Right Speaker (-)
3.	3. Front Right Speaker (+)
4. Memory +12V	4. Front Right Speaker (-)
5. Auto Antenna Output	5. Front Left Speaker (+)
6.	6. Front Left Speaker (-)
7. 12V (To Ignition Key)	7. Rear Left Speaker (+)
8. GROUND	8. Rear Left Speaker (-)

SPECIFICATION

GENERAL

Supply Voltage	DC 12 V
Current Consumption	Max.10A
Power Output	4 X 60W
Number of channels	2 STEREO channels.
Unit Dimensions	178[W] X 165[D] X 50[H] mm.
	7"[W]X6.5"[D]X1.97"[H]

FM SECTION

Frequency range	87.5MHz - 107.9MHz(US)
	87.5MHz -108.0MHz(EU)
Effective sensitivity	3uV.
I.F Frequency	10.7MHz.

AM SECTION

Frequency range	530KHz - 1710KHz(US)
	522KHz - 1620KHz(EU)
Effective sensitivity	40dB.
I.F Frequency	450KHz

RCA LINE OUT

Pre-Amp Output	1 V Output

CD PLAYER

System	MP3 Audio System.
Suitable CDs	MP3, CD,CD-R,CD-RW Disc
Frequency characteristics	20Hz-100Hz <\5dB
	10KHz-20KHz <\5dB.
S/N Ratio to CD	50dB [1KHz]

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b) During disc, USB playback mode:
   Press the >>| button briefly to play next track.
   Press the |<< button briefly to play the current track from the beginning of it if the playing time is more than 2 seconds.
   Press the |<< button briefly to play the previous track if the playing time is less than 2 seconds.
   Press the >>| or |<< button and hold to skip forwards or backwards, release to resume normal playback.

8.SEL(MENU) BUTTON AND VOLUME UP (+)/ DN (-) KONB

a) Press the SEL button briefly, it is activated as selecting each mode of E. VOL.
   ->BASS ->TREBLE -> BALANCE -> FADER -> VOLUME->
   When selecting a desired audio mode, rotate the VOL knob to adjust the audio effect.
   In each mode, the waiting time is about 5 seconds, and when the waiting time is over, it returns to the last display mode of tuner or CD mode.
   The control mode of E.VOL is operated with following numeric display.
     - VOL: (MIN)00, 01,……46, 47(MAX).
     - BASS/TRE: -7, -6,…,0,…+6,+7
     - BAL: L,I,…,I,…,I,R
     - FAD: F,I,…,I,…,I,R

b) When pressed longer 2 seconds, it show the time then it is activated as cyclical mode of following functions for user's selection.
   ->CLK 00:00->TA(ON/OFF) -> AF(ON/OFF) -> TA (ALARM/SEEK)
   ->PI (SOUND/MUTE)->RETUNE (LONG/SHORT)->MASK(DPI/ALL)
   ->BEEP (ON/OFF) -> USER SET(FLAT/CLASSIC/ROCK/POP)
   ->VOL(LAST/DEFA) -> EUROPE/AMERICA ->MONO/STEREO
   (only for FM mode) ->LOUD(ON/OFF) ->LOCAL/DX(only for FM mode)
   ->BL AUTO(WHITE,ORANGE,YELLOW,RED PURPLE,BLUE,CYAN,GREEN)
   ->CLK(ON/OFF) ->CLK(12/24)mode->CL ADJ 00'00(you can adjust HOUR or MINUTE by rotate the VOL knob).
   After selecting the desired mode, rotate the VOL knob to select one setup item of the desired mode.

1) TA [TRAFFIC ANNOUNCEMENT]
   When TA mode is on(TA is displayed on LCD), it will begin to seek TA station and TA SEEK will be displayed on LCD for a while.
   When traffic announcement is transmitted:
 (1)If the unit is in USB or disc mode, it will switch to radio mode temporarily. 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
 (2)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.
 (3)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.

2) AF [ALTERNATIVE FREQUENCIES]

When 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 seconds. Because the mute time of AF switching or checking time is very short, it is almost inaudible in case of normal program.

During FM mode, when AF is on, SEEK, (SCAN), AUTO-MEMORY function can only receive and save RDS program.

3) TA SEEK/TA ALARM:

TA SEEK mode: when newly tuned station does not receive TP information for 5 seconds, the radio retunes to next station which has a different PI to 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 starts to retune to next same PI station. When same PI station does not receive 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) will be heard.

When newly tuned station does not have TP information for 5 seconds, beeps are sounded.

When TP information gets lost at the current station for retune time, the beep sound will be heard.

When newly tuned station has no RDS signal, PI SEEK is suppressed .

4) PI SOUND/ PI MUTE:

PI SOUND mode: if a car cruises between buildings that could cause reflecting signals, a phenomenon may occur, due to different PI codes being received from the same AF source. when different PI sounds (DIP) are heard occassionally, this will happen for less than 1 second.

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

5) RETUNE L / RETUNE S:

The initial time of automatic TA search or PI SEARCH mode is selected. When PI information is not received for retune interval , the radio starts to retune to next same PI station.

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

RETUNE L mode: selected as 90 seconds.

RETUNE S mode: selected as 60 seconds.

TROUBLESHOOTING

Before using the check list please make all the connections first.
If you still have questions after going through the checklist, please consult your local customer service representative.

Common Symptoms	Cause	Solution
There is no power.	The car ignition is switched off.	If the power supply is properly connected to the car accessory, switch the ignition key to " ON " or " ACC " .
	The fuse has blown.	Replace another fuse according to the wiring diagram.
The CDs cannot be loaded.	Presence of CD disc inside the player	Remove the disc in the player then put a new upward
The CDs are loaded only halfway into the CD tray.	The transport screws have not been removed.	Remove the transport screws before using.
The device does not work correctly (EJECT, LOAD, PLAY)	Inserting the disc in upside down	Insert the compact disc with the label facing upward
	The surface of CD is extremely dirty or it is damaged.	Clean the CD or try another CD, if this works correctly, the first CD is properly damaged.
	Temperature inside the car is too high.	Cool off until the ambient temperature returns to normal
There is no sound.	The volume control is set too low.	Turn up the volume properly.
	The device has not been correctly connected.	Check the power and earth connection according to the wiring diagram.
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. Switch the device off and on again. Or press the RESET button to resume the program. 2. Reinstall the front panel
The sound of the CD player skips	The installation angle is more than 30 degrees	Adjust the installation angle to less than 30 degrees
	The surface of the road is uneven.	Wait until the road becomes smoother before playing the CD.
	The surface of CD is extremely dirty or it is damaged.	Clean the CD or try another CD, if this works correctly, the first CD is properly damaged.
No radio reception.	The antenna cable is not connected.	Insert the antenna cable firmly into the antenna socket of the device.
In automatic search mode the radio does not stop at a transmitting station.	The transmission signals are too weak.	Tune in to a radio station manually.

REMOTE CONTROL OPERATION

1. Power On/Off

2. Mute Button

3. TA Button

4. SEL/MENU Button

5&6. VOL UP/DOWN Button

7. AF Button

8. A.P Button
Press the A.P button to preview the current preset stations.(18stations in FM)
Press and hold the AP button to activate the auto storage function. The unit scans and preset the stations with strongest signal.(18stations in FM)

9. Band Button

10. SRC Button

11. Tune/Seek Up And Track Skip Up/FF Button

12. Tune/Seek Down And Track Skip Down/REW Button

13. SCAN BUTTON
Press the SCAN button to scan the radio frequency. If a valid signal has detected, the current frequency will be hold and blinking for 5 seconds, then press SCAN again to stop scan and remain the current frequency; otherwise, the radio will go on to scan the other radio frequency 5 seconds later.

14. CLOCK button

15. PTY Button

16. Track TOP/>||/Radio Preset 1

17. Track INT/Radio Preset 2

18. Track RPT/Radio Preset 3

19. Track RDM/Radio Preset 4

20. Radio Preset 5 and USB/CARD DIR-

21. Radio Preset 6 and USB/CARD DIR+
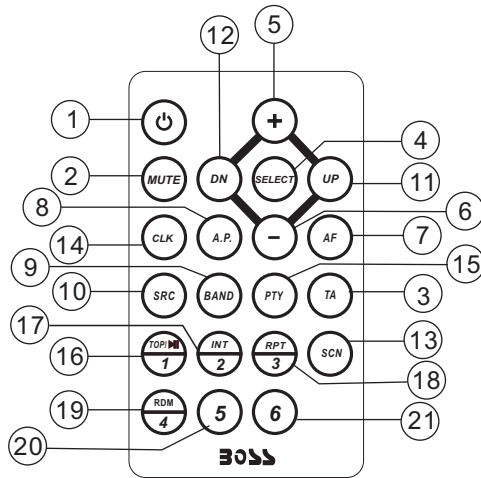
6) MASK DPI/MASK ALL:
MASK DPI mode: masks only the AF which has different PI.
MASK ALL mode: masks the AF which has different PI and NO RDS signal with high field strength.

7)BEEP ON/BEEP OFF
BEEP ON mode: The beep is generated when any key is pressed.
BEEP OFF mode: The beep sound is disabled..

8)VOL LAST/VOL DEFA
VOL LAST: The radio switches on at the actual volume it had when it was last switched off.
VOL DEFA: After pressing SEL button, AVOL will be displayed. Then you can pre-select a constant switch-on volume by using the VOL knob.

9)BL AUTO(WHITE,ORANGE,YELLOW,RED PURPLE,BLUE,CYAN,GREEN)
This Menu is for selecting the backlight color mode of your desired.
You can select the single color backlight mode or BL AUTO mode.
When selecting BL AUTO mode, the 8 backlight colors will be changing automatically in certain order.

10)CLK ON/OFF
CLK ON: Clock will always show on the display when power off.
CLK OFF: Clock will disappear on the display when power off.

9-14. PRESET STATION MEMORY AND TOP/>||, INT, RPT, RDM BUTTONS
a) During radio mode:
Go to any preset station by pressing one of the 6 preset station buttons (1-6).
If one of these buttons is pressed for more than 2 seconds, the station currently being listened to will be memorized into the selected preset button.
b) During disc, MMC/SD or USB mode:
1) Press the TOP/ >|| button briefly to interrupt the playback of the disc, MMC/SD or USB. Press again to resume normal playback of the disc, MMC/SD or USB. Press the TOP/>|| button and hold for approximately 1 second to play the first track of the disc, MMC/SD or USB.
2) Press the INT button to sample the first 10 seconds part of each track, and the INTRO will be visible on the LCD display.
In the process of INT, press INT button again to stop sampling and to continue playing the current track, and the LCD will display INTRO.
3) Press the RPT button once to play the current track repeatedly, and the RPT ONE will be visible on the LCD display.
During MP3/WMA disc, MMC/SD or USB mode, press the RPT button twice continuously to play the current folder repeatedly, and the RPT DIR will be visible on the LCD display.
In the process of RPT, press RPT button again to stop playing repeatedly mode and the LCD will display OFF.
4) Press the RDM button to play all tracks on disc in random order, and the RANDOM will be visible on the LCD display.
In the process of RDM, press RDM button again to stop playing in random order and the LCD will display OFF.

5) Press the 5 and 6 button to move up and down10 tracks at a time.
   When the remained total tracks is lack of 10, the both buttons are inactively.
   Press and hold the 5 and 6 button to select next or previous folder to be played.

15. SRC AND PTY (PROGRAM TYPE) BUTTON
   Press the SRC button to change among tuner (radio), disc (when a disc is
   loaded), USB (when an USB stick is inserted),CARD (when a CARD is inserted)
   and AUX mode.

   In Radio mode, Press MODE/PTY button longer to select one of the following
   mode: POP M- - NEWS
   While selecting PTY TYPE, its selection is implemented by preset buttons as
   described in preset key. (press one of the 6 preset buttons shortly and repeatedly
   to select the PTY TYPE in the preset button)
   When turning on a PTY program, the PTY program is flashed on the LCD.
   After selecting a desired PTY program and no operation for 2 seconds, it will search
   for the station of the PTY program. During 1 loop, if the desired station of the PTY
   program is not found, PTY NONE is displayed, then returns to previous normal radio.

16.AUX INPUT JACK
   Press the mode button to select auxiliary input playing mode. Then you can
   connect any matched external audio device to this socket. Use the volume
   knob to adjust volume.

17.USB SOCKET
   In order to play the file in the USB stick, insert the USB stick into the USB
   socket. The system will change into the USB mode automatically and play
   the first file in the USB.

18. BAND BUTTON
   1)In Radio mode:
   Press this button briefly to select the radio broadcasting band you would like to
   listen to.The AM/FM band is toggled cyclically through the tuning bands:
   ->FM 1-> FM 2 -> FM 3 -> AM1->AM2 ->.

   2) During MP3 file in disc, or USB/SD mode:
   Press the **BAND** button, it is activated as cyclical selecting song mode as follows:
   -> TRACK SERIAL NUMBER SEARCH -> FIRST CHARACTER SEARCH
   -> DIRECTORY SEARCH
A) In TRACK SERIAL NUMBER SEARCH mode, the LCD will display "**TRK 000**"
(If the number of tracks is less than 100 and more than 9, it will display **"TRK 00"**)
 and flash the biggest digit 0 that the SD card, USB or MP3/WMA disc contains.
Rotate the VOL knob to select the number of the flashing digit from 0 ~ 9.
Then press SEL button to confirm and flash next smaller digit 0.
With the same means, select the number of the flashing digit.
After finishing inputting the number of all flashing digit, press SEL button to play
the track of the corresponding number.

B) In FIRST CHARACTER SEARCH mode, the LCD will display **"A--SEARCH"**
(Rotate the VOL Knob to select your desired first character with A~Z or 0~9) and
the unit begins to search for the songs named with the first character "A"
(If there are no songs named with first character **"A"**, the LCD will display **"A--NONE"**).
Then briefly press the >>| or |<< button to select your desired song and press the **SEL**
 button to playback.

Care When Using Discs:

About CD-R/CD-R/W discs:
In addition to commercially-recorded audio CD's, this unit can play CD-R and
CD-R/W discs. In some cases, particularly when recorded on older CD burners,
some CD-R and CD-R/W discs may not play. Also, whenever you are recording
a CD for playback in this receiver, it is recommended that you record at 24x or
slower speed for CD-R and 4x or slower for CD-R/W to achieve higher signal
quality and better playback performance.

1. To keep the disc clean:
    Do not attach any sticker or adhesive tape on the disc.
    Handle the disc by its edge to keep the disc clean and do not touch the surface.
    Before playing a disc, wipe it off with a clean, dust-free cleaning cloth.
    Wipe the disc outwards from the disc center.

2. When inserting a disc upside down, thus may damage the unit. Insert a disc
     with labeled surface up, or it will damage the unit.

3. Do not expose the disc to direct sunlight or nearby heat sources such as heating
     vents, caliduct which can cause the disc to warp.
     Do not leave disc in a car if it is parked in direct sunlight as that will lead to a
     considerable rise in the temperature inside the car.

4. Do not use any secondhand or rented disc, usually, there is glue on the surface of
     those discs, it will stop the unit working and damage it.

5. Always store the disc in its case for protection. Scratched up discs will produce poor
     sound performance and cause CD player to skip.

6. In raining day or wet area, the moisture may form on the disc or the optical parts,
     the playback may not be possible. If moisture forms on the disc, wipe it off with a
     soft cloth.
     If moisture forms on the optical parts of the unit, allow the unit to sit for about one
     hour with power on.

7. Do not use solvents such as benzine or thinners. Commercially available cleaners
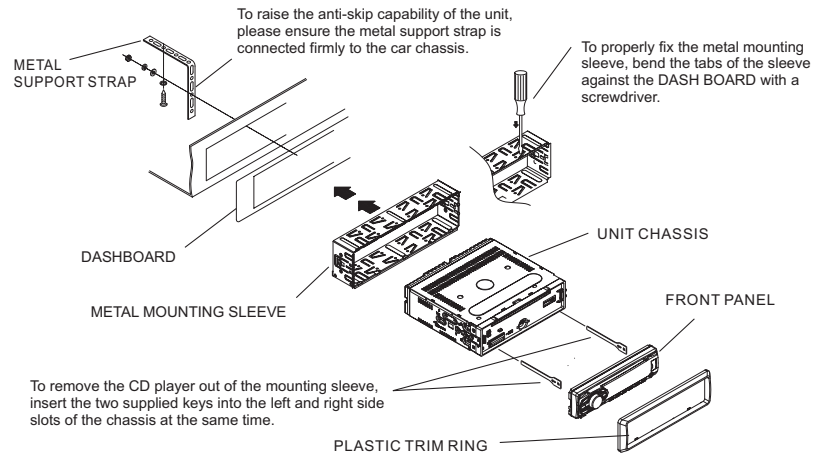   or anti-static spray will damage the unit.

INSTALLATION METHOD

This is an anti-theft installation method.
The main unit wears a METAL MOUNTING SLEEVE.
Please connect the wiring, eg, the Power supply, the Speakers and the Antenna according to the requirements of this Instruction Manual, then install the metal mounting sleeve into the car as per the diagram illustrated below.

To raise the anti-skip capability of the unit, please ensure the metal support strap is connected firmly to the car chassis.

To properly fix the metal mounting sleeve, bend the tabs of the sleeve against the DASH BOARD with a screwdriver.

METAL SUPPORT STRAP

DASHBOARD

UNIT CHASSIS

METAL MOUNTING SLEEVE

FRONT PANEL

To remove the CD player out of the mounting sleeve, insert the two supplied keys into the left and right side slots of the chassis at the same time.

PLASTIC TRIM RING

NOTE

Remove the two screws that protect the CD player during transportation before operating the player.

Before installing and operating the CD player, remove the metal mounting sleeve illustrated by the arrows.

To attach the removable faceplate, insert the right side of the faceplate into the right of the CD player chassis first. Then push the left side of the faceplate into the chassis until you hear it "click".
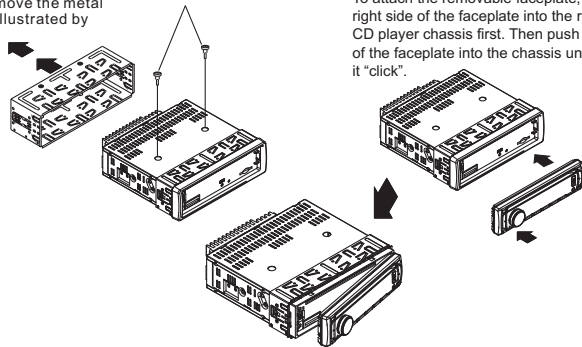
 C) In DIRECTORY SEARCH mode, the LCD will display the root folder (if there is no root folder, it will find a root folder named ROOT).
Rotate the VOL knob to select your desired folder and press SEL button to play the first track in the selected folder.

19. APS BUTTON
In Radio mode
A) Press and hold for more than 1 second, the radio searches from the current frequency and checks the signal strength level until 6 stations are found.
And then the 6 stations frequency are preset to the corresponding preset memory numbered bank.The auto-storage operation is implemented in the each selected band.
When the auto-storage operation is finished, the radio execute the Preset Scan.

B) Press the APS button to scan all preset stations in the memory of the current band and stay on each memory stations for about 5 seconds. To stop preset scan, press this button again.

20. SCAN BUTTON
During radio mode,press the SCAN button to automatically tune for the radio station frequency of strong signal from the current frequency.
After search for a station it will stay on the station for about 5 seconds then continue to tune for the next strong signal.
To stop scan, press this button again.

21. RESET BUTTON
Before operating the unit for the first time, or after replacing the car battery or changing the connections you must reset the unit.
Press this button with a cuspidal object. This operation will erase the clock setting and some stored contents.

22. MMC/SD CARD SLOT
When you need to play the file in the MMC/SD card, insert the MMC/SD card into the MMC/SD card slot. The system will change into the MMC/SD mode automatically, and then play the first file in the MMC/SD.
Note:
When MMC/SD card and USB stick are both inserted into their slot or socket, the system will change into the playback mode of the latter one.