



EX8500 DVD

Owner's Manual

ESTONE

Specifications

General

Power Supply Requirements.....	DC 12 Volts,Negative Ground
Operating Voltage.....	11-16VDC
Overall Dimensions.....	308mm(W)X262mm(H)X218mm(D)
Mounting Dimensions.....	265mm(W)X177mm(H)X188.3 mm(D)
Weight.....	3.3kg

FM Tuner

Tuning range.....	87.5-107.9FM
Sensitivity.....	<2.5uV
Stereo separation @ 1 kHz.....	>30dB

AM Tuner

Tuning range.....	530-1710
Sensitivity.....	<15uV

Amplifier

Output Power.....	35X8 Watts Total(35Watts per Channel)
Output Wiring.....	2/8 Speaker and Headphone System
Output Impedance.....	Compatible with 4-8 Ohm Speakers,4 Ohm Load Minimum
Total system power.....	35X8 Watts Maximum

DVD

Frequency Response.....	20-20,000Hz
Channel Separation.....	50dB
S/N Ratio.....	70dB
Distortion.....	0.2%

Specifications subject to change without notice.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the User's authority to operate the equipment.

Thank You!

Thank you for choosing an Estone product. We hope you will find the instructions in this owner's manual clear and easy to follow. If you take a few minutes to look through it, you'll learn how to use all the features of your new Estone receiver for maximum enjoyment.

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Features of the Estone EX8500 DVD mobile audio system include:

- DVD CD-R/RW and MP3 Compatible DVD
- iPod Connect & USB
- Digital AM/FM Tuner
- Time/Alarm Clock
- Auxiliary Audio/Video Input
- Headphone Output
- 3 Zone / 8 Speaker Output
- Wireless Remote Included

Installation

Select Mounting Location

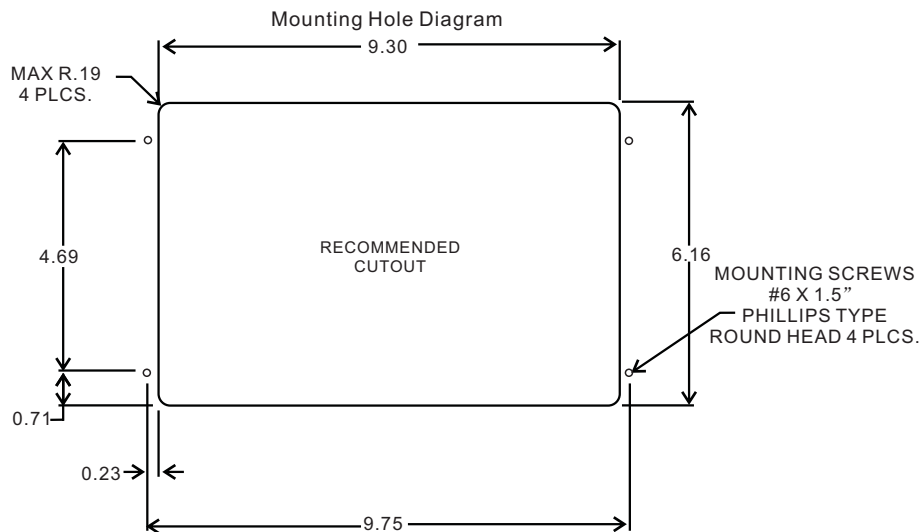
Select mounting location, taking care to avoid the following:

- Places exposed to heat-radiating appliances such as electric heaters
- Adjacent to other equipment that radiates heat
- Poorly-ventilated or dusty places
- Moist or humid locations

Preparing the Opening

Use the mounting hole diagram(below)to measure and cut a mounting hole, and mount the unit using the four 3X30min self-tapping screws provided.

Note: Before cutting the mounting hole, make sure the area behind the mounting location is clear of wires and fuel, vacuum and or brake lines.



Mounting the Radio

Route power, speaker and antenna cables through the hole, and connect them to the unit as outlined in the wiring diagram. After ensuring correct connections, test operation.

◆ Digital Setup

The Digital setup menu controls the following features:



OP MODE: Adjust the output mode: LINE OUT or RF REMOD.

DYNAMIC RANGE: Adjust the DYNAMIC RANGE of the screen from the following levels: FULL, 6/8, 4/8, 2/8 or OFF.

DUAL MONO: Adjust the DUAL MONO of the screen from the following levels: STEREO, MONO L, MONO R, MIX MONO.

OP MODE



DYNAMIC RANGE



DUAL MONO



BRIGHTNESS: Adjust the brightness of the screen from the following levels: 12, 10, 8, 6, 4, 2 or 0.

CONTRAST: Adjust the contrast of the screen from the following levels: 12, 10, 8, 6, 4, 2 or 0.

HUE: Adjust the contrast of the screen from the following levels: +6, +4, +2, 0, -2, -4, -6

SATURATION: Adjust the saturation of the screen from the following levels: 12, 10, 8, 6, 4, 2 or 0.

SHARPNESS: Adjust the sharpness of the screen from the following levels: 8, 6, 4, 2 or 0.

BRIGHTNESS



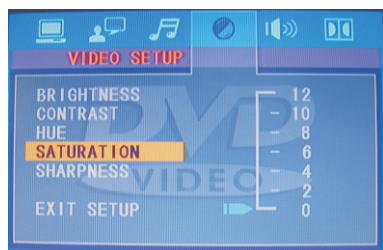
CONTRAST



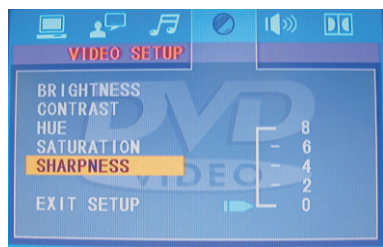
HUE



SATURATION

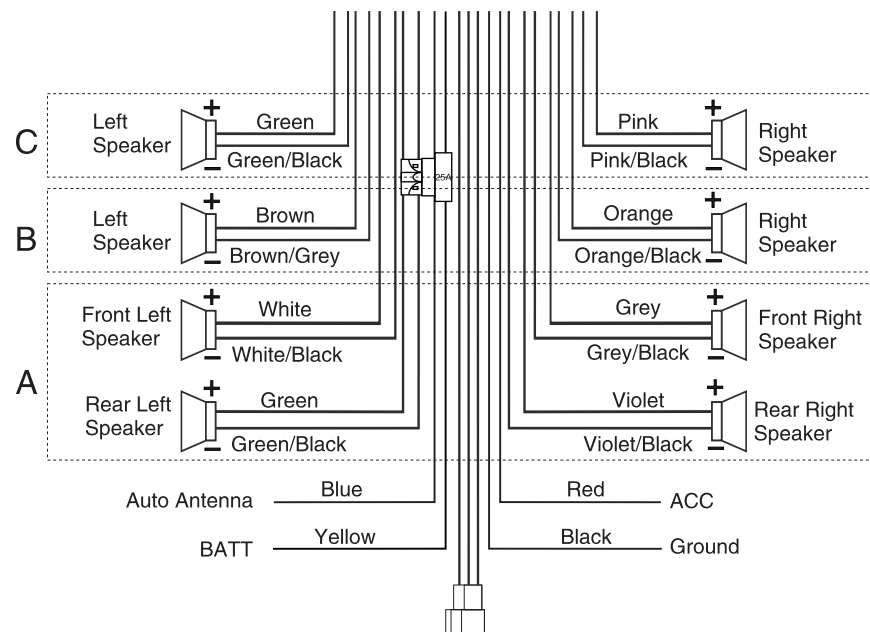
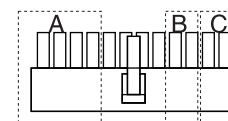
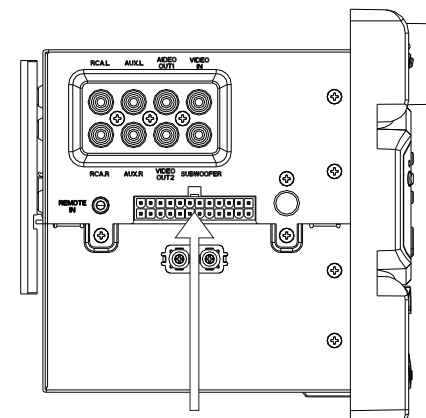


SHARPNESS

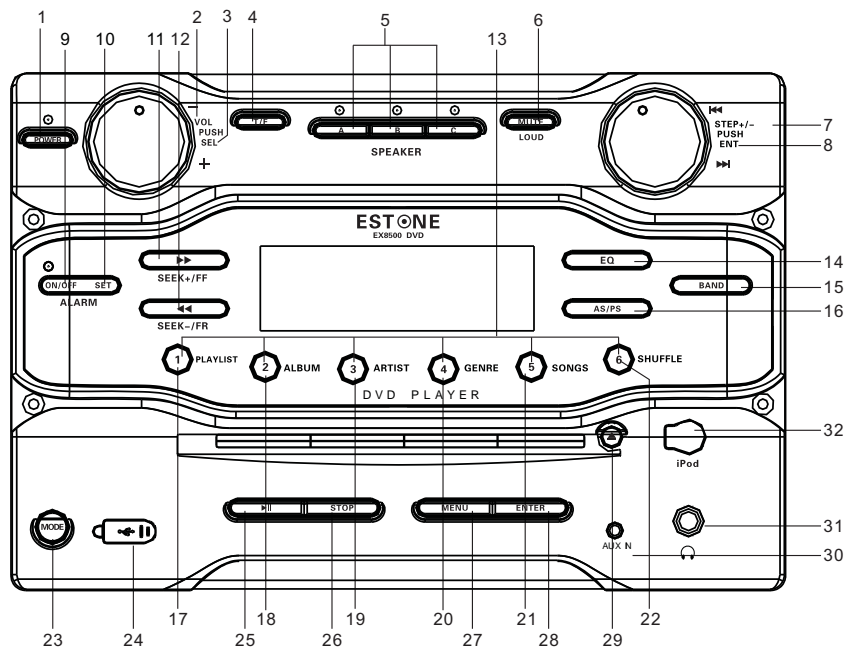


Wiring

The wiring diagram depicts all the wiring connections required for proper operation of the unit.



CONNECT AMP-9500 SUBWOOFER



Long Press: press and hold more than 2 seconds.
Short Press: less than 2 seconds.

Basic Operation

- 1、POWER(1): on/off
- 2、ALARM ON/OFF(9): Press to turn on/off alarm function.

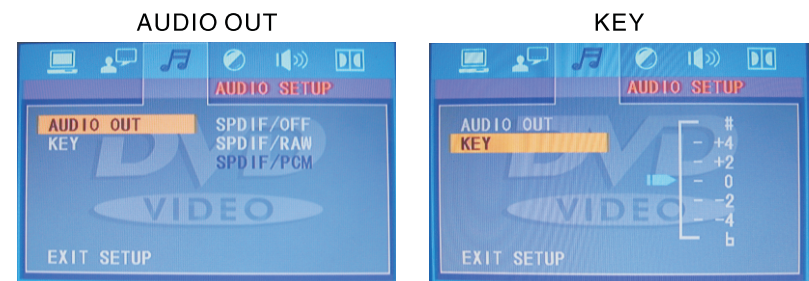
◆ Audio Setup

The audio setup menu controls the following features:



AUDIO OUT: Adjust the AUDIO OUT format to following settings:SPDIF/OFF, SPDIF/RAW,SPDIF/PCM.(The current EX5000DVD can't support the SPDIF/RAW and SPDIF/PCM audio out.)

KEY: Adjust the KEY of the screen from the following levels: #,+4,+2,0,-2,-4,b.



◆ Video Setup

The video setup menu controls the following features:



◆ Language Setup

The language setup menu controls the following features:



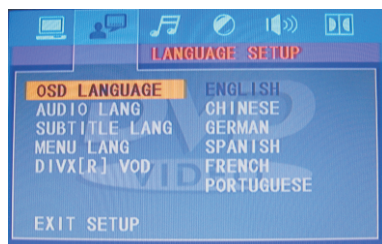
OSD Language: set OSD language.

AUDIO Language: set the audio language.

SUBTITLE Language: set the subtitle language.

DISC MENU Language: set the menu language.

OSD LANGUAGE



AUDIO LANG



SUBTITLE LANG



MENU LANG



3、ALARM SET(10):

This button can be used to adjust alarm time.

Short press to display alarm time. The time display will be gone if no action within 5 seconds.

While the alarm time is on display, the hour icon will blink with a long press on this button. User can use “SEEK+/-” button to adjust hour.

Press “SET” again, the minute icon will blink, user can use “SEEK+/-” button to adjust minute. The system will exit alarm setting function if user press some other key or there is no action within 5 seconds.

4、VOLUME(2): volume knob

5、PUSH SEL(3)

Short press to select Volume、Bass、Treble、Balance、Subwoofer or Fader. Use “VOL+/-” Knob to adjust value.

Long press to enter zone selection and default volume settings

A: Zone: USA, China and Euro, default is USA.

B: Default Volume Setting: in this mode, it will display “P-VOL XX” on the LCD.

User can adjust the system default volume value by turning “VOL +/-” knob. The unit will exit this mode if user press some other key or there's no action within 5 seconds.

6、T/F(4)

This button can be used to adjust system time.

Short Press to display system time. The time display will be gone if no action within 5 seconds.

While the system time is on display, the hour icon will blink with a long press on this button. User can use “SEEK+/-” button to adjust hour.

Press “T/F” again, the minute icon will blink, user can use “SEEK+/-” button to adjust minute. The system will save current time and exit time setting function if user press some other key or there is no action within 5 seconds.

7、A/B/C(5)

Speaker out.

The three speaker output buttons control speaker output from the system. Press any of the three buttons to turn the corresponding speaker on or off. The red light above each button will illuminate when that speaker is turned on.

- A: Zone A Speakers;
- B: Zone B speakers;
- C: Zone C speakers;
- 8、MUTE(6)
 - Short Press: mute on/off
 - Long Press: turn on/off LOUD
- 9、EQ(14)
 - Short Press to select between FLAT~CLASS~POP~ROCK。
 - Long Press: at iPod mode, this function on/off ID3 information.
 - When “ID3 ON” , it will display ID3 information (title/artist/album etc.)on LCD.
- 10、MODE(23)
 - Switch between: RADIO、DVD、iPod、AUX1、AUX2、USB。
- 11、Head phone jack(31): 3.5mm head phone jack
- 12、AUX jack (30): front audio in.

DVD Settings

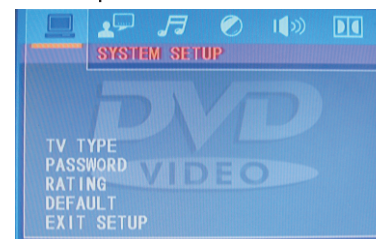
Press **SETUP** on the remote control to access setup mode, which allows setup or the following five DVD functions:

- ◆ System Setup ◆ Language Setup ◆ Audio Setup
- ◆ Video Setup ◆ Digital Setup

While in the setup menus, use your directional arrows on the remote to select and change settings. The "up" and "down" arrows highlight the options, and the "right" and "left" arrows will change the setting for the highlighted option, press **ENT** to select.

◆ System Setup

The System setup menu controls the following features:



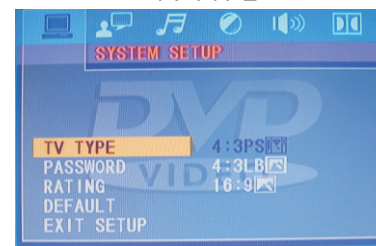
TV TYPE: Select one of the following picture formats: 4:3PS, 4:3 LB or 16:9. 4:3 is a letterbox selection, and 16:9 is wide screen.

PASSWORD: The default password is "0000", input the password before change the rating settings.

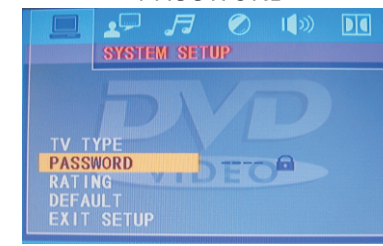
RATING: The rating for the DVD discs played on the EX8500 DVD unit.

DEFAULT: Restore the system setting to default.

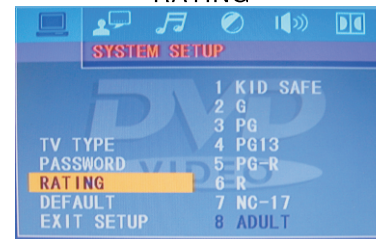
TV TYPE



PASSWORD



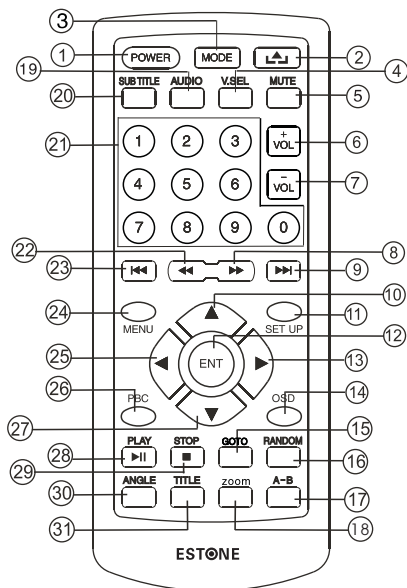
RATING



DEFAULT



Remote Control



- | | |
|--|---|
| ① Power On/Off, Volume UP/Down | ⑱ ZOOM button |
| ② Open/Close | ⑲ Audio button |
| ③ Mode button | ⑳ Subtitle button |
| ④ V.SEL button | ㉑ 1-0 Direct Access (Press the sequence number of the file at USB/MP3 mode to play the program) |
| ⑤ Mute | ㉒ Fast Backward |
| ⑥ VOL+ | ㉓ Chapter Down |
| ⑦ VOL- | ㉔ Menu button |
| ⑧ Fast Forward | ㉕ Left direction key |
| ⑨ Chapter Up | ㉖ Playback Control button(PBC) |
| ⑩ Up direction key/DVD pause | ㉗ Down direction key/DVD slow |
| ⑪ Setup button | ㉘ Fast Forward |
| ⑫ Directional key-Joystick (up, down, left, right) push to Enter | ㉙ Stop |
| ⑬ Right direction key | ㉚ Angle button |
| ⑭ OSD(On Screen Display) | ㉛ Title button |
| ⑮ Goto button | |
| ⑯ Random button | |
| ⑰ A-B Section Repeat button | |

Radio Operation

1、SEEK-(12):

Radio mode:

Short press: automatically seek the lower radio station.

2、SEEK+ (11) :

Radio mode:

Short press: automatically seek higher radio station

3、PRESET 1-6(13)

(1). Store Preset station

Long press a preset button , the current station will be stored, and the corresponding preset number will appear in the display.

(2). Recall Preset Station

To recall a station, select a band (if needed).Press a Preset button momentarily and the unit will turn to the corresponding stored station

4、STEP +/- (7) (the right knob)

(1) Short press: turn the knob to search radio stations manually.

(2) Long press: turn the knob to quick search radio stations.

5、AS/PS(16)

Automatically store

(1) Press AS/PS (16) for more than 2 seconds, and the unit will automatically scan and store the strongest stations in the FM/AM band. To stop this function before the automatic storing is complete, briefly press AS/PS again.

(2) Preset scan

Briefly press AS/PS to scan all preset stations in FM/AM band. The unit will play each station for five seconds before moving on to the next station. To stop this function before the scan is complete, briefly press AS/PS again.

6、BAND(15)

Band: FM1~FM2~FM3~AM1~AM2

iPod Operation

- 1、iPod jack(32).
- 2、ENTER(28)
When operating iPod, press this key to enter submenu
- 3、MENU(27)
When operating iPod, press this key to enter parent menu
- 4、STOP(26)
Stop playing
- 5、PAUSE(25)
Pause
- 6、FR(<<)(12):
Short press: jump backward 10 song to play ; long press to fast rewind
- 7、FF(>>)(11)
Short Press: jump forward 10 song to play; long press to fast forward
- 8、TRACK+/- (7)
Press to select previous/next song
- 9、SHUFFLE(22)
Short press to turn on/off the random play function
- 10、PLAYLIST(17)
In iPod mode: short press to display iPod playlist. Turn right knob (“STEP+/-”) to select desired playlist. Press “ENTER” to play.
- 11、ALBUM(18)
In iPod mode: short press to display iPod album. Turn right knob (“STEP+/-”) to select desired album. Press “ENTER” to play.
- 12、ARTIST(19)
In iPod mode: short press to display iPod artist. Turn right knob (“STEP+/-”) to select desired artist. Press “ENTER” to play.
- 13、GENRE(20)
In iPod mode: short press to display iPod genre.
- 14、SONGS(21)
In iPod mode: short press to display iPod song list.

DVD/USB Operation

- 1、SHUFFLE(22)
Short press to turn on/off the random play function
- 2、ENT (8)
Short press to enter submenu (the same function as “ENTER”)
- 3、EJECT(29)
Eject the disc.
- 4、FR(<<)(12):
Fast rewind (X2, X4, X8, X20)
- 5、FF(>>)(11)
Fast forward (X2, X4, X8, X20)
- 6、STEP+/- (7)
Select previous/next program
- 7、MENU(27)
Back to main menu
- 8、ENTER(28)
Enter submenu when press.
- 9、STOP(26)
Press this key to stop playing, and press “PLAY ” to continue; if press “STOP” continuously twice and then press “PLAY” , the program will play from the first chapter.
- 10、PLAY/PAUSE(25)
Press this key to pause playing and press again to resume
- 11、USB jack(24)