

RAPTOR

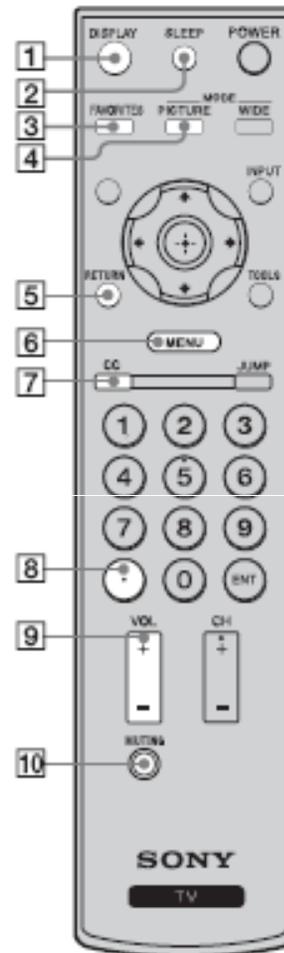


Stereo Quick Start Guide and Troubleshooting Materials

KDL32L4000 Remote Control

The Image on the right depicts the remote control and defines the function for each button.

Remote Control



The 5 button and CH + have a tactile dot. Use them as a reference when operating the TV.

Button	Description
1 DISPLAY	Press once to display the current channel number, channel label, program remaining time and Wide Mode. The on-screen display (OSD) will turn off after a few seconds.
2 SLEEP	Press repeatedly until the TV displays the time in minutes (Off, 15, 30, 45, 60, 90 or 120) that you want the TV to remain on before shutting off. To cancel Sleep Timer, press SLEEP repeatedly until Off appears.
3 FAVORITES	Press once to display the stored Favorites list. You can store up to 8 channels and/or external inputs in your Favorites list. How to Add to Favorites While tuned to the channel you want to add to the list, press FAVORITES and highlight "Add to Favorites", then press . Your Favorites list will be cleared each time you run Auto Program (see pages 20 and 29 for Auto Program).
4 PICTURE	Press repeatedly to cycle through the available picture modes: Vivid, Standard, Custom. The picture modes can also be accessed in the Picture settings. For details, see "Using the Picture Settings" on page 25.
5 RETURN	Press to go back to the previous screen when displaying MENU items and settings.
6 MENU	Press to display the MENU with TV functions and settings. See "Overview of MENU" on page 25.
7 CC	Press to turn on and off Closed Captions (CC). To change or customize CC Display, see page 34.
8	Use with 0-9 and ENT buttons to select digital channels. For example, to enter 2.1, press , , and ENT.
9 VOL +/-	Press to adjust the volume.
10 MUTING	Press to mute the sound. Press again or press VOL + to restore the sound.

KDL32L4000 Remote Control

The Image on the right depicts the remote control and defines the function for each button.

Basic Operations



Button	Description
11 POWER	Press to turn on and off the TV.
12 WIDE	Press repeatedly to step through the Wide Mode settings: Wide Zoom, Normal, and Full. The Wide Mode settings can also be accessed in the Screen settings. (See page 27.)

Changing the Wide Screen Mode

(For PC timing, see below)

4:3 Original source Standard definition source	16:9 Original source High definition source
↓	↓
Wide Zoom 	Wide Zoom
Normal 	Normal This mode is not available
Full 	Full

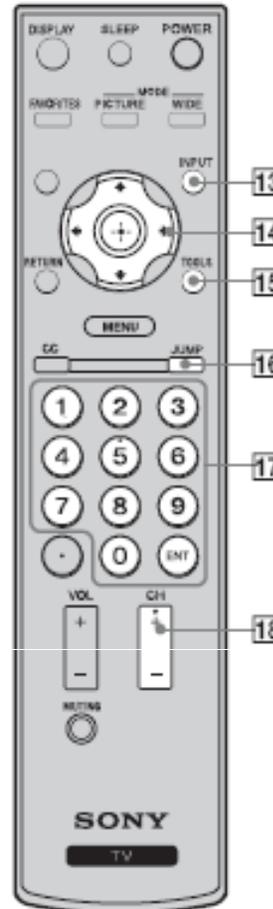
Normal is not available when you are watching a 720p or 1080i source from a component video input or a 720p, 1080i or 1080p source from an HDMI input or a digital TV.

Changing the Wide Screen Mode for PC Timing

Incoming PC signal 800 × 600	Incoming PC signal 1280 × 768
↓	↓
Normal 	Normal
Full 1 	Full 1
Full 2 	Full 2

KDL32L4000 Remote Control

The Image on the right depicts the remote control and defines the function for each button.



Button	Description
13 INPUT	Press to display the list of external inputs. Press repeatedly to toggle through the inputs. Inputs can be changed by pressing \leftarrow/\rightarrow and \oplus while the list of external inputs is displayed. See page 33 for information about setting up the external inputs labels, including the Skip feature.
14 $\leftarrow/\rightarrow/\oplus$	Press $\leftarrow/\rightarrow/\oplus$ to move the on-screen cursor. Press \oplus to select/confirm an item.
15 TOOLS	Press to display the Tools Menu that is associated with your current input: analog TV, digital TV or external inputs. (See pages 25, 26, 30, and 34)
16 JUMP	Press to jump back and forth between two channels. The TV alternates between the current channel and the last channel that was selected.
17 0 - 9 ENT	Press 0 - 9 to select a channel; the channel changes after two seconds. Press ENT to change channels immediately.
18 CH +/-	Press to scan through channels. To scan quickly through channels, press and hold down either +/-.

Insert two size AA batteries (supplied) by matching the \oplus and \ominus on the batteries to the diagram inside the remote control's battery compartment.



KDL32L4000

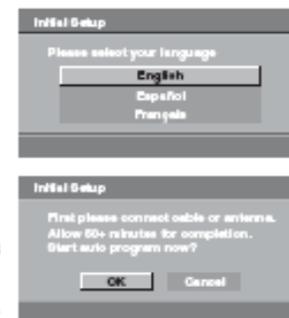
Basic Functions

The Image on the right depicts the procedure for accessing the menu as well as programming the ATSC Tuner (Channels)

Setting Up the Channel List - Initial Setup

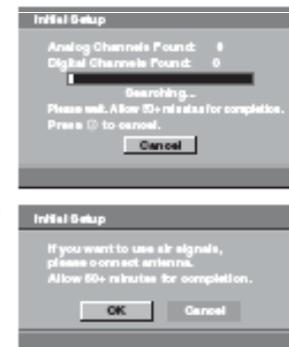
After you finish connecting your TV, you need to run Initial Setup, which automatically sets up available channels. The Initial Setup screen appears when you turn on your TV for the first time. If you do not want to set up the channels at this time, you can do it later by selecting the Auto Program option in the Channel settings (see page 29).

- 1 Press  to turn on the TV.
The Initial Setup screen appears.
- 2 Press  to highlight the desired language.
- 3 The message "First please connect cable or antenna. Allow 50+ minutes for completion." and "Start auto program now?" appear, make sure you already connected cable or antenna, then select OK to start Auto Program. If you want to start Auto Program later, select Cancel.



 If you have cable and antenna available, please connect cable first.

- 4 The scanning of channels will start. If you want to stop and run Auto Program later, press Cancel.
- 5 When Auto Program is complete, press  to continue.
- 6 If the Initial Setup programming found cable channels, you will be able to scan antenna channels as well. Connect the antenna using an A-B RF switch (not supplied) and change the switch to antenna then start Auto Program to search antenna channels. If the Initial Setup programming found antenna channels, the Auto Program process will finish. If you want to scan cable channels, you can do it later using the Channel settings.



To run Auto Program again at a later time

- Use the Auto Program feature as described on page 29.

To display the Picture in your Preferred Aspect Ratio

- Select the proper Wide Mode as described on pages 22 and 27.

KDL32L4000

Basic Adjustments

The Image on the right depicts the procedure for setting making Picture Adjustments.

Overview of MENU

MENU provides one button access for controlling your TV. It enables you to perform a variety of tasks intuitively with a control panel on the screen rather than a variety of remote control button presses.

Using the Picture Settings



Option	Description
Picture Mode	Vivid Select for enhanced picture contrast and sharpness.
Customized picture viewing	Standard Select for standard picture settings. Recommended for home entertainment.
	Custom Allows you to store your preferred settings.
	 You can also access Picture Mode by using the TOOLS button or PICTURE button on the remote control.
Reset	Resets the current Picture Mode settings to the default values.
Backlight	Adjust to brighten or darken the backlight.
Picture	Adjust to increase or decrease picture contrast.
Brightness	Adjust to brighten or darken the picture.
Color	Adjust to increase or decrease color intensity.
Hue	Adjust to increase or decrease the green tones.
Color Temp White adjustment	Cool Select to give the white colors a bluish tint.
	Neutral Select to give the white colors a neutral tint.
	Warm Select to give the white colors a reddish tint.
Sharpness	Adjust to sharpen or soften the picture.
Noise Reduction	Select to reduce the noise level. Select from High, Medium, Low and Off.
	 Noise Reduction is not available when you are watching a 1080i or 1080p source.

KDL32L4000 Basic Adjustments

The Image on the right depicts the procedure for setting making Sound Adjustments.

♪ Using the Sound Settings



Option	Description
Sound Mode	Dynamic Enhances treble and bass.
<i>Customized sound listening</i>	Standard Standard sound optimized for home use.
	Clear Voice Suitable for spoken dialog.
	Reset Resets the current Sound Mode settings to the default values.
Treble	Adjust to increase or decrease higher-pitched sounds.
Bass	Adjust to increase or decrease lower-pitched sounds.
Balance	Adjust to emphasize left or right speaker balance.
MTS <i>Enjoy stereo, bilingual and mono programs</i>	Stereo Select for stereo reception when viewing a program broadcast in stereo.
	Auto SAP Select to automatically switch the TV to second audio programs when a signal is received. If no SAP signal is present, the TV remains in Stereo mode.
	Mono Select for mono reception. Use to reduce noise during weak stereo broadcasts.
<input type="checkbox"/> MTS is only available for analog programs.	
Alternate Audio <i>Digital channels only</i>	Select among the available options to switch among the alternate audio streams. The program you are tuned to may be broadcasted in a different language in the alternate audio streams.
	<input type="checkbox"/> Alternate Audio is not available if the program is not broadcast with alternate audio streams.
Speaker	On Select to turn on the TV speakers.
	Off Select to turn off the TV speakers and listen to the TV's sound only through your external audio receiver and speakers.

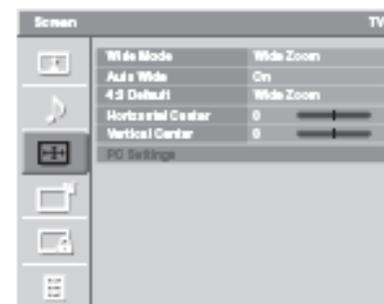
You can also access Sound Mode, MTS and Alternate Audio by using the TOOLS button on the remote control.

KDL32L4000

Basic Adjustments

The Image on the right depicts the procedure for setting making Screen Adjustments.

Using the Screen Settings



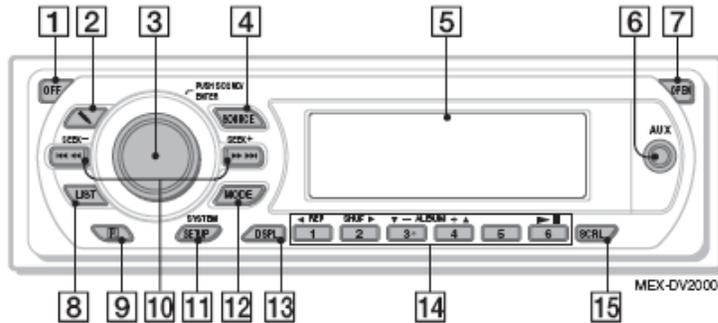
Option	Description	
Wide Mode	Wide Zoom	Fills the screen with minimum distortion.
	Normal	Select to display 4:3 picture in original size when the original source is 4:3.
	Full	Select to enlarge the picture horizontally to fill the screen when the original source is 4:3 (Standard definition source). When the original source is 16:9 (High definition source), select this mode to display 16:9 picture in original size.
<p>⚠ Normal is not available when you are watching a 720p or 1080i source from a component video input or a 720p, 1080i or 1080p source from an HDMI input or a digital TV.</p>		
Auto Wide	On	Select to have the screen automatically change to the screen mode that is best for the current program. If frequent screen changes are disturbing to you, select Off.
	Off	Select to turn off the Auto Wide option. Choose a screen mode from the Wide Mode option.
<p>⚠ Auto Wide is not available when you are watching analog TV.</p>		
4:3 Default <i>Select the default Screen Mode to use for 4:3 sources</i>	Wide Zoom	Enlarges the 4:3 picture to fill the 16:9 screen, displaying as much of the original image as possible.
	Normal	Select to display the 4:3 picture in its original size.
	Full	Select to enlarge the 4:3 picture horizontally only, to fill the display area.
	Off	Select to continue using the current Wide Mode setting when the channel or input is changed.
<p>⚠ If 4:3 Default is set to anything but Off, the Wide Mode setting changes only for the current channel. When you change channels (or inputs), Wide Mode is automatically replaced with the 4:3 Default setting for 4:3 sources. To retain the current Wide Mode setting as channels and inputs are changed, set 4:3 Default to Off.</p>		

MEX-DV2000 Quick Start Guide

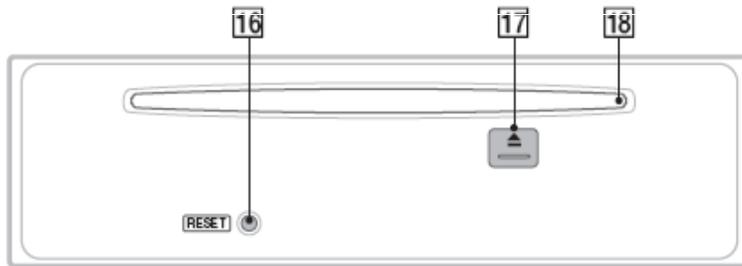


Location and function of controls

Main unit



Front panel removed



Refer to the pages listed for details. Instructions in this manual generally describe the controls on the card remote commander. You can also use the controls on the main unit if they have the same or similar names to those on the card remote commander.

- 1 OFF button** 12, 14, 16, 21
To power off/stop the source (press); shut off completely (press and hold).
- 2** (Microphone) button 20
To activate the karaoke mode.

- 3 Volume control dial/SOUND/ENTER button** 12, 24, 31, 32, 34, 37, 38, 43, 47, 48
To adjust the volume/adjust a setting (rotate); open the sound menu/apply a setting (press).
- 4 SOURCE button** 12, 13, 18, 34, 48
To power on; change the source (Radio/Disc/AUX/SAT*1).
- 5 Display window**

- 6 AUX input jack** 47
To connect a portable audio device.
- 7 OPEN button** 13, 14, 15, 16
To eject the disc.
- 8 LIST button** 31, 32
To list up.*2
- 9 Receptor for the card remote commander**
- 10 SEEK +/- buttons** 15, 17, 18, 20
Disc:
To skip a chapter/track/scene (press); reverse/fast-forward disc (press and hold momentarily); reverse/fast-forward track (press and hold).*3
Radio:
To tune in stations automatically (press); find a station manually (press and hold).

- 11 SYSTEM SETUP button** 24, 33, 34, 37, 38, 43, 47, 48
To open the system setup menu.

- 12 MODE button** 18, 34, 48
To select the radio band (FM/AM); select the SAT tuner band (mode)*1; select the unit*4.

- 13 DSPL (Display) button** 22, 47
To change display items.

- 14 Number buttons**
Disc:
1: ◀ REP 14, 15, 28, 48
2: SHUF ▶ 14, 15, 28, 48
3/**4**: ALBUM +/- (▼/▲) 14, 15, 17, 20, 48
To skip an album/move the cursor (press); skip albums continuously (press and hold).*5
5: ▶|| (play/pause) 14, 15, 16, 17, 20
To start/pause playback.

- Radio:
To receive stored stations (press); store stations (press and hold).

- 15 SCRL (Scroll) button**
To scroll the display item.

- 16 RESET button** 12
- 17** (eject) button 15, 16
To eject the disc.
- 18 Disc slot** 14, 16
To insert the disc.

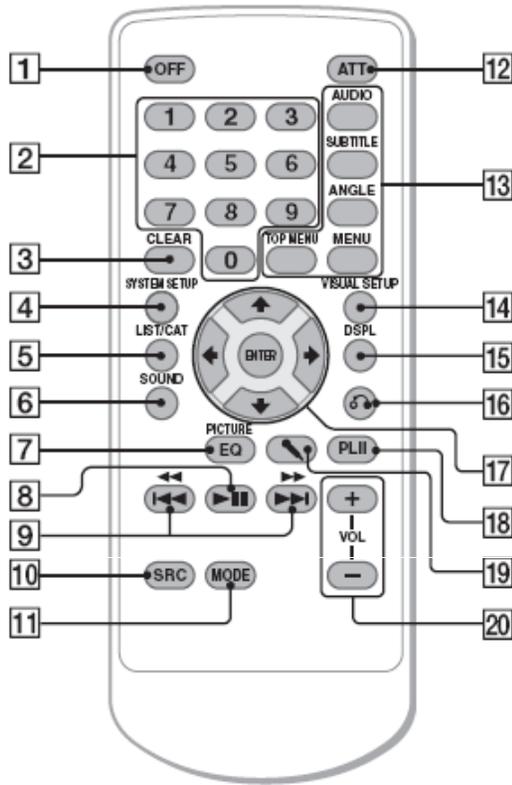
- *1 When the SAT tuner is connected.
*2 When a Super Audio CD/CDMP3/WMA/JPEG is played.
*3 Operation differs depending on the disc (page 15, 17).
*4 When a CD changer is connected.
*5 If the changer is connected, operation is different (page 48).

•Radio Layout

•Button Functionality with Descriptions

Card remote commander RM-X161

Remote Control Layout and Functionality



Refer to the pages listed for details.
Remove the insulation film before use (page 13).

- 1 OFF button** 12, 14, 16, 21
To power off/stop the source (press); shut off completely (press and hold).
- 2 Number buttons** 14, 15, 20, 21, 22, 27, 29, 34
Disc:
To locate a title/chapter/track.
Radio:
To receive stored stations (press); store stations (press and hold).

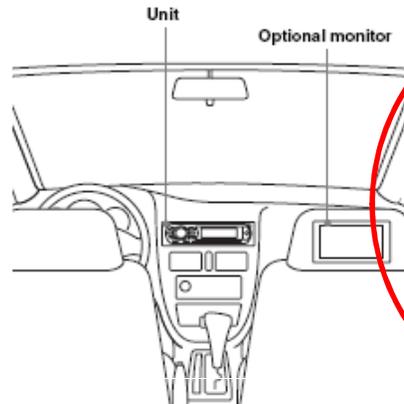
- 3 CLEAR button** 27, 29
To delete an entered number.
- 4 SYSTEM SETUP button** 24, 33, 34, 37, 38, 43, 47, 48
To open the system setup menu.
- 5 LIST/CAT*1 button** 31, 32
To list up.*2
- 6 SOUND button** 31, 34, 35
To open the sound menu.

Getting Started

Installing the unit and an optional monitor

Firstly, install and connect the unit and an optional monitor.

This unit can be operated using the displays that appear on the unit and/or the optional monitor. Note that this manual includes instructions concerning displays on both unit and/or optional monitor.



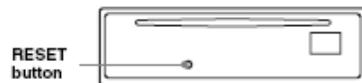
For details, see the supplied installation/connections manual.

Note

Be sure to install the optional monitor safely, and in a place where it does not obstruct the driver's view.

Resetting the unit

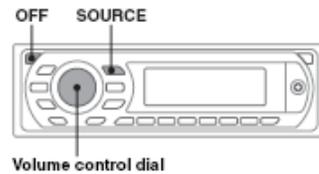
Before operating the unit for the first time, or after replacing the car battery or changing the connections, you must reset the unit. Detach the front panel (page 13) and press the RESET button with a pointed object, such as a ball-point pen.



Note

Pressing the RESET button will erase the dock setting and some stored contents.

Performing initial setup



After resetting, the display for initial speaker setup appears.



Be sure to set correctly following the procedure below to enjoy the various sound functions of this unit.

To skip the initial setup, press **OFF** / **SOURCE**, or insert a disc.

Note

The initial setup display automatically disappears if no operation is performed for 30 seconds. During setup procedure, it is canceled if no operation is performed for 15 seconds.

1 Press the volume control dial in the initial setup display.



2 Rotate the volume control dial to set the center speaker connection status, then press it.

Select "C ON" if the center speaker is connected, or select "C OFF" if not.



3 Rotate the volume control dial to set the subwoofer connection status, then press it.

Select "SW ON" if the subwoofer is connected, or select "SW OFF" if not.

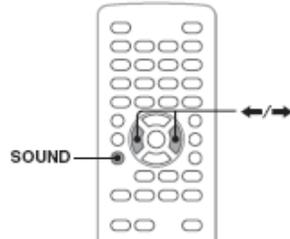


- When all power is removed from the unit all settings are reset.
- This system is designed to operate under the default settings.
- To skip the setup when "INIT SETUP" is displayed depress "OFF / SOURCE" or simply insert a disc.
- See Note to the left.

RIVERPARK

Sound Adjustment

Adjusting the sound characteristics — SOUND



You can adjust the sound characteristics according to your preference.

- 1 During playback/reception, press **(SOUND)** repeatedly until the desired setting item appears on the main unit.



- 2 Press **←/→** to adjust the level or select the desired option.
After 3 seconds, the setting is complete and the display returns to normal play/reception mode.

With the main unit
Press the volume control dial instead of **(SOUND)**, rotate the volume control dial instead of pressing **←/→**.

The setting items in the sound menu are indicated below.
Follow the page reference for details.

BAL (Balance): Adjusts the sound balance between the left and right speakers.

FAD (Fader): Adjusts the relative level between the front and rear speakers.

C SP (Center Speaker)*1: Adjusts the center speaker volume.

SW (Subwoofer)*2: Adjusts the subwoofer volume.

EQ7: Selects an equalizer curve from 7 music types.

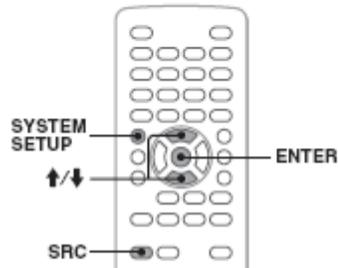
CSO (Center Speaker Organizer)*3: Activates/deactivates virtual center speaker (page 35).

- Adjusting the sound
- Depressing button number 3 on the front of the unit or using the remote is the to access these features, such as:

- Balance
- Fader
- Subwoofer Level
- EQ7
- CSO

Using Optional Equipment

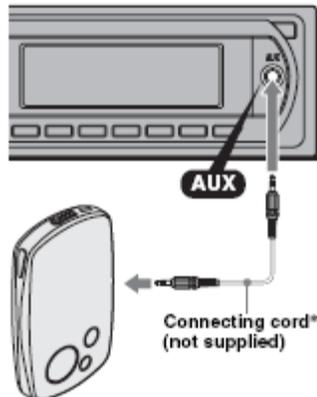
Auxiliary audio equipment



By connecting an optional portable audio device to the AUX input jack (stereo mini jack) on the unit and then simply selecting the source, you can listen on your car speakers. The volume level is adjustable for any difference between the unit and the portable audio device.

Connecting the portable audio device

- 1 Turn off the portable audio device.
- 2 Turn down the volume on the unit.
- 3 Connect to the unit.



* Be sure to use a straight type plug.

continue to next page →

Adjusting the volume level

Be sure to adjust the volume for each connected audio device before playback.

Note

The input level may be high if the sound distortion of AUX input occurs. Check the input level by the deflection of the spectrum analyzer. To show the spectrum analyzer, set "M.DSPL" to "SA" (page 45). If the spectrum analyzer indicates a peak value, lower the input level.

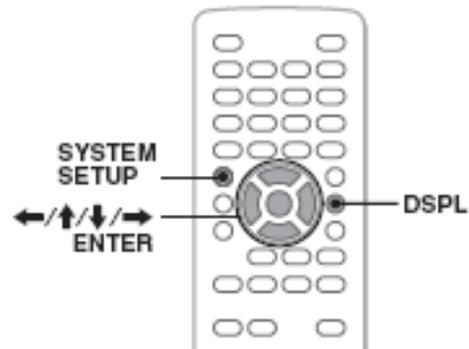
- 1 Turn down the volume on the unit.
- 2 Press **(SRC)** repeatedly until "AUX" appears on the main unit.
"AUX FRONT IN" appears.
- 3 Start playback of the portable audio device at a moderate volume.
- 4 Set your usual listening volume on the unit.
- 5 Press **(SYSTEM SETUP)**.
- 6 Press **↑/↓** to select "AUX-LVL," then press **(ENTER)**.
- 7 Press **↑/↓** to adjust the input level.
The input level is adjustable in single steps, between -6 and +18.
- 8 Press **(ENTER)**.
The setting is complete.

With the main unit

Press **(SOURCE)** instead of **(SRC)**, rotate the volume control dial instead of pressing **↑/↓**.

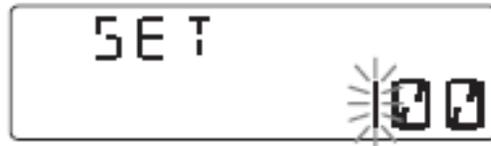
- Auxiliary Port located on the front
- Connecting Peripheral Audio Sources such as:
 - IPOD
 - MP3 Players
 - Auxiliary Audio Source

Setting the clock



The clock uses a 12-hour indication.

- 1 Press **SYSTEM SETUP**.
The system setup item appears on the main unit.
- 2 Press **↑/↓** to select "CLOCK ADJ," then press **ENTER**.
The hour indication flashes.



- 3 Press **↑/↓** to set the hour and minute.
To move the digital indication, press **←/→**.
- 4 Press **ENTER**.
The setting is complete.

To show the clock during playback, press **DSPL** repeatedly until it appears.

With the main unit

Rotate the volume control dial instead of pressing **↑/↓**, press the volume control dial instead of **←/→** or **ENTER**.

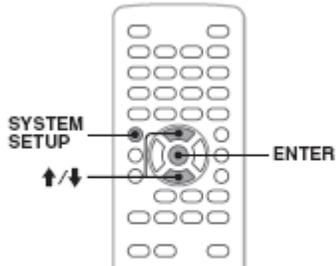
- Setting the Clock
- The System Setup menu can be accessed by depressing button number 11 on the front of the unit or using the remote control, as shown on the left.

System setup

The system setup menu includes the following categories.

- **SET:** General settings (page 44)
- **DSPL:** Display settings (page 45)
- **R/M:** Receive mode settings (page 45)
- **SOUND:** Sound settings (page 46)

Basic operation of system setup



You can set items in the menu by the following procedure.

E.g., when setting the demonstration

- 1 Press **(SYSTEM SETUP)** while the unit is off.
The system setup item appears on the main unit.
- 2 Press **↑/↓** to select "DEMO," then press **(ENTER)**.
The option appears.



- 3 Press **↑/↓** to select "ON" or "OFF," then **(ENTER)**.
The setting is complete.

To hide the system setup display, press **(SYSTEM SETUP)**.

With the main unit

Use the volume control dial to select items/options and confirm.

- System Setup
- The following pages will show the show the System Setup, and the default settings.
- The System Setup menu can be accessed by depressing button number 11 on the front of the unit or using the remote control, as shown on the left.

Follow the page reference for details. "●" indicates the default setting.

SET (Setup)

Item	Option	Purpose	Unit status
CLOCK ADJ (Clock Adjust) (page 47)	-	-	
BEEP	ON (●)	To activate the operation sound.	
	OFF	To deactivate the operation sound.	
RM (Rotary Commander) Changes the operative direction of the rotary commander controls.	NORM (●)	To use in the factory-set position.	Any status.
	REV	To use on the right side of the steering column.	
A.OFF (Auto Off) Shuts off automatically after a desired time when the unit is off.	NO (●)	To deactivate the Auto Off function.	
	30S, 30M, 60M	To select the desired time.	

- Rotate Knob (Button 3) or use the Arrow Keys on the remote to navigate through this menu

DSPL (Display)

Item	Option	Purpose	Unit status
M.DSPL (Motion Display) Selects the Motion Display mode.	SA (●)	To show moving patterns and spectrum analyzer.	
	ON	To show moving patterns.	During playback/ radio reception.
	OFF	To deactivate the Motion Display.	
DEMO (Demonstration)	ON (●)	To activate the demonstration.	Unit off.
	OFF	To deactivate the demonstration.	
DIM (Dimmer) Changes the display brightness.	AUTO (●)	To dim the display automatically when you turn lights on. (Available only when the illumination control lead is connected.)	Any status.
	ON	To dim the display.	
	OFF	To deactivate the dimmer.	
A.SCRL (Auto Scroll) Scrolls long items automatically.	ON (●)	To scroll.	During playback.
	OFF	To not scroll.	

R/M (Receive mode)

Item	Option	Purpose	Unit status
LOCAL (Local Seek Mode)	ON	To only tune into stations with stronger signals.	During radio reception.
	OFF (●)	To tune normal reception.	
MONO (Monaural Mode) Selects monaural reception mode to improve poor FM reception.	ON	To hear stereo broadcast in monaural.	
	OFF (●)	To hear stereo broadcast in stereo.	During FM reception.
IF Narrows the reception frequency automatically to eliminate noise.	AUTO (●)	To narrow automatically.	
	WIDE	To always hear FM stereo broadcasts in stereo and with full frequency reception.	
BTM (Best Tuning Memory) (page 34)	-	-	During radio reception.

SOUND

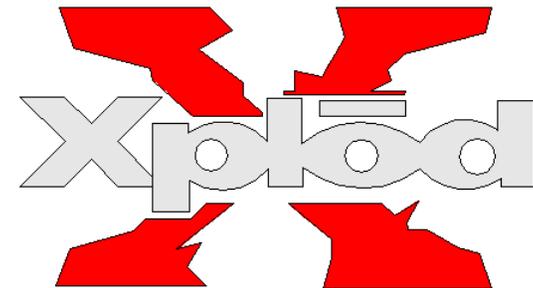
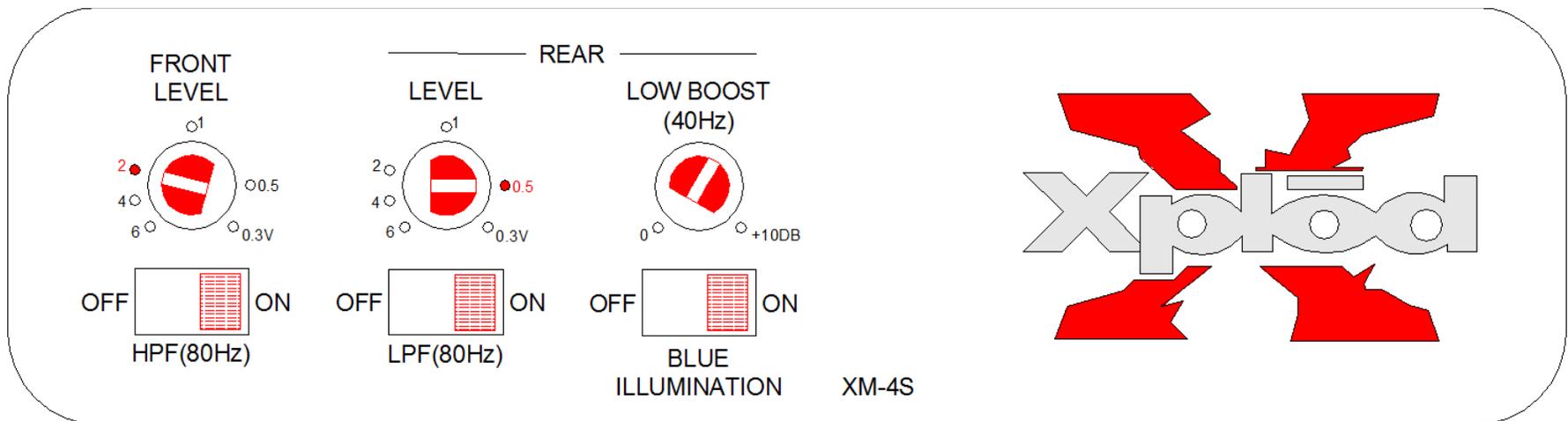
Item	Option	Purpose	Unit status
EQ7 TUNE (page 37)	-	-	
HPF (High Pass Filter) Selects the front/rear speaker cut-off frequency.	OFF (●)	To not cut out the frequency.	
	80HZ, 120HZ	To select the frequency.	During playback*/radio reception.
LPF (Low Pass Filter) Selects the subwoofer cut-off frequency.	120HZ (●), 80HZ	To select the frequency.	
AUX-LVL (AUX Level) (page 48)	(-6 ~ +18 dB) ●: 0	To select the level.	During AUX playback.
DVD-LVL (DVD Level) (page 24)	(-10 ~ +10 dB) ●: ADJST OFF	To select the level.	During disc playback.
SP SETUP (Speaker Setup) (page 38)	-	-	
POS TUNE (Position Tune) (page 37)	-	-	
DISC.LAYER (page 32) Selects the playback layer (area) of a Super Audio CD.	MLT (●)	To play multi-channel area in the Super Audio CD layer.	
	2CH	To play 2-channel (stereo) area in the Super Audio CD layer.	Unit off.
	CD	To play CD playback layer (if contained).	
SA-CD MOD (page 33) Selects the sound quality for Super Audio CD playback.	HQ (●)	To have high sound quality.	
	STD	To have standard sound quality.	

* Unavailable during karaoke mode or when "SA-CD MOD" is set to "HQ."

- **HPF (High Pass Filter)**
- The one setting that is recommended is the HPF (High Pass Filter) for the exterior speakers, which reduces the lower frequencies eliminating the “Boominess” and increasing Audio Fidelity.

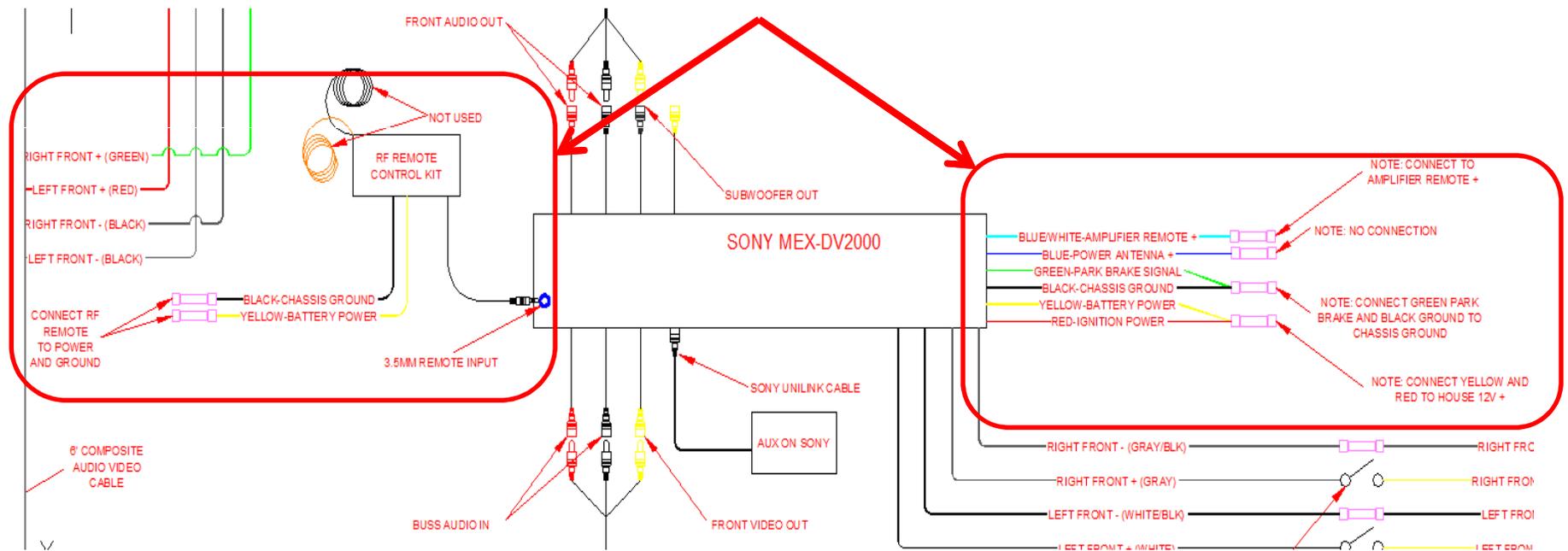
Fuzion / Raptor Troubleshooting

- Fuzion and Raptor Settings must use the following amplifier settings for proper operation.



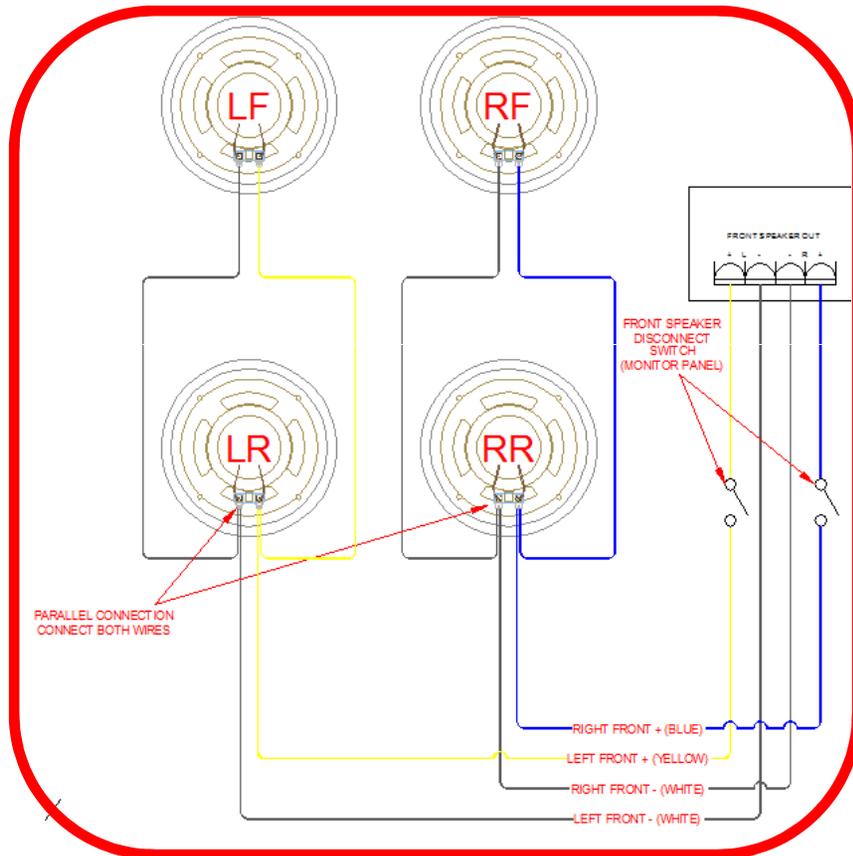
Raptor / Fuzion RF Remote and Power Connections

- Note the RF Remote Control Pack
- RF Remote is on Raptor only
- If the Blue w/white wire is not used for the amp remote connection the amp will only operate in AM or FM Tuner Mode
- If the Light Green Park Brake wire is not grounded video output will not be available on the "Front Video Out" that is connected to the TV.

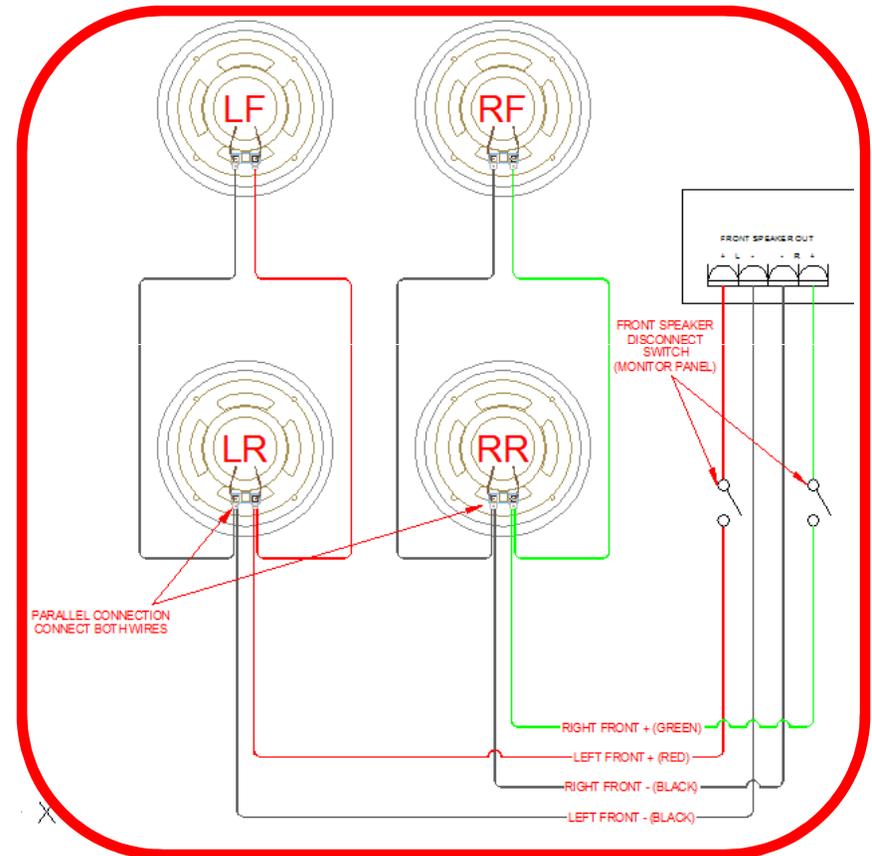


Interior Speaker Wiring

Fuzion



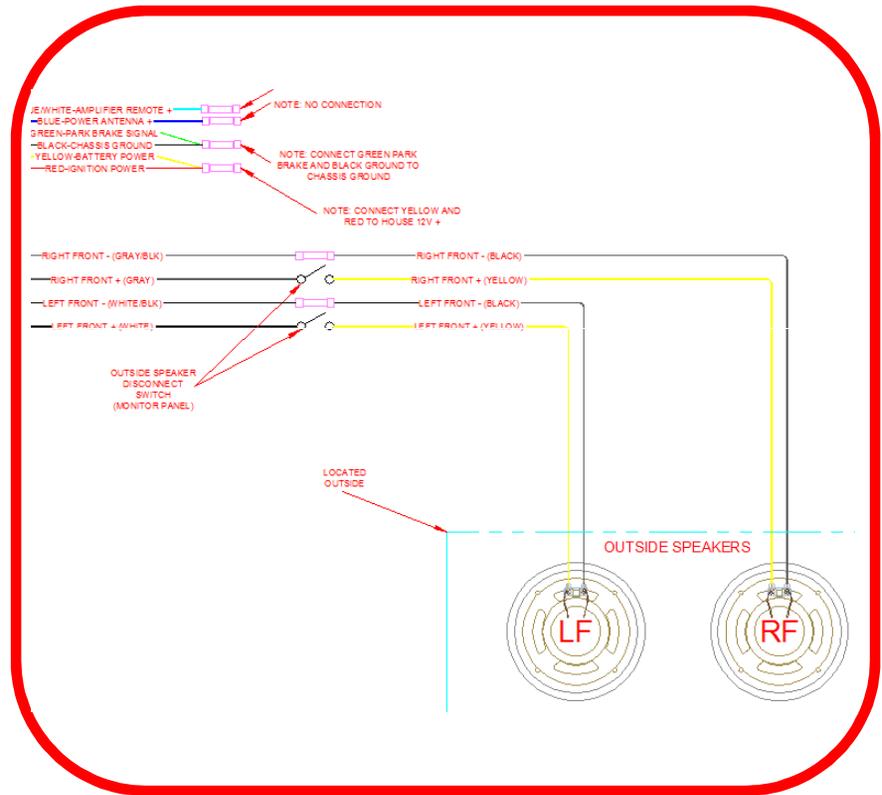
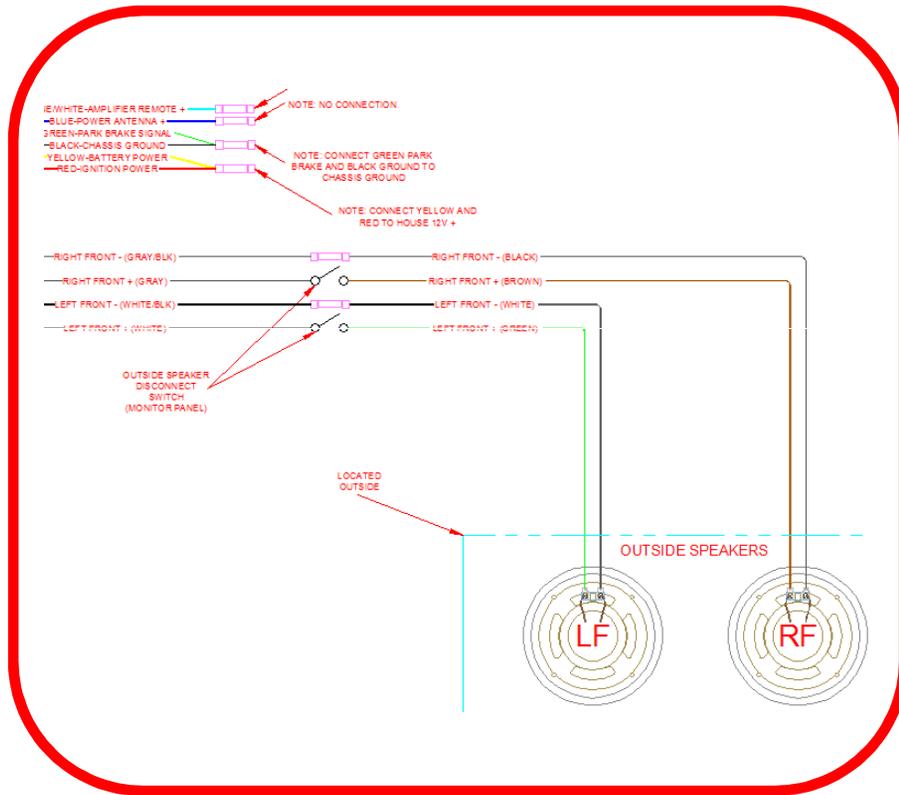
Raptor



Exterior Speaker Wiring

Fuzion

Raptor



Subwoofer Speaker Wiring W / Amp Composite Cable Configuration

