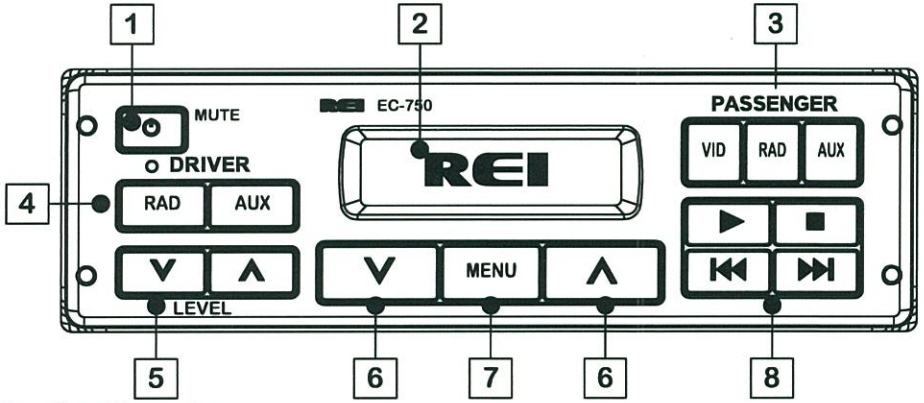
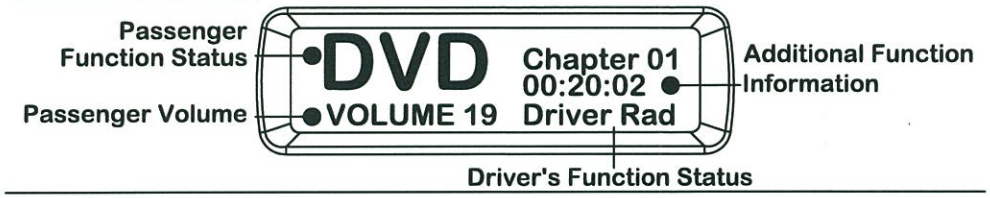
EC-750 A/V System Quick-Guide

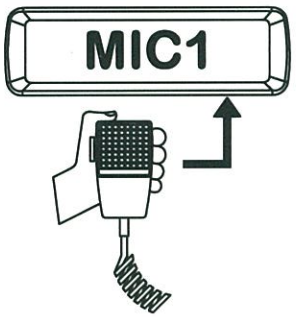


Section Overview

1. POWER/MUTE: Press and release button to turn the unit on.
   When unit is on, press and release button to Mute audio. Repeat key press to Un-mute.
   Hold button for 3 seconds to turn unit off.
2. DISPLAY: Displays the current function of the Control Module.
3. PASSENGER Section: Controls the Passenger's A/V Sources. Selections include VIDEO, RADIO, and AUX Input
4. DRIVER Section: Controls the Driver's audio. Selections include RAD (Radio) and AUX Audio Input.
5. LEVEL: Volume Controls (DOWN and UP) for Driver's audio.
6. DOWN arrow and UP arrow: Volume Controls (DOWN and UP) for passenger audio.
7. MENU: Determines which function or Menu item is being adjusted.
   Press and release cycles between Volume, Bass, Treble. Press and hold to access the Menu items.
8. FUNCTION CONTROLS: Allows control over the various functions of the system components, including PLAY, STOP, Track Back, and Track Advance.

Display Overview



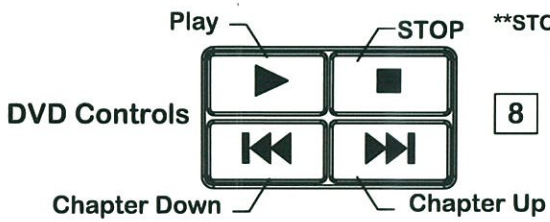


Whenever any one of the microphone inputs is activated, the control head switches over to the P.A. function. The P.A. has priority over all other channels. When activated, all other audio is muted. The P.A. system may be activated even when the control unit's Power button is not activated. While the P.A. system is active, the sound levels and tone (of the P.A. system) may be adjusted. These levels will only affect the P.A. system. Driver's Mic has priority over the Wireless Mic.

Controlling the Passenger Section

Passenger's Area Controls

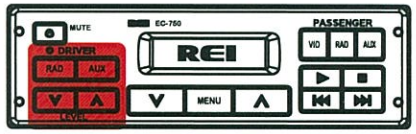
3 Keypress	2 Display	Function
VID	DVD VOLUME 19 Chapter 01 00:20:02 Driver Rad	Pressing the VID button will activate the DVD player. The video will be displayed on the coach monitors and can be controlled by the FUNCTION CONTROL buttons shown below.
RAD	RADIO VOLUME 19 Driver Rad	Pressing the RAD button will select the radio as the audio source for the Passenger speakers. The volume is controlled by the DOWN and UP arrow buttons located below the display area of the Control Head.
AUX	AUX VOLUME 19 Driver Rad	Pressing the AUX button will pass the audio from the HDMI or 3.5mm input jacks located on the Enhanced Media Center to the Passenger Speakers. **NOTE: While in AUX mode, you cannot play a DVD.



**STOP: Press once for PAUSE.
Press twice to restart disc.

Controlling the Driver's Section

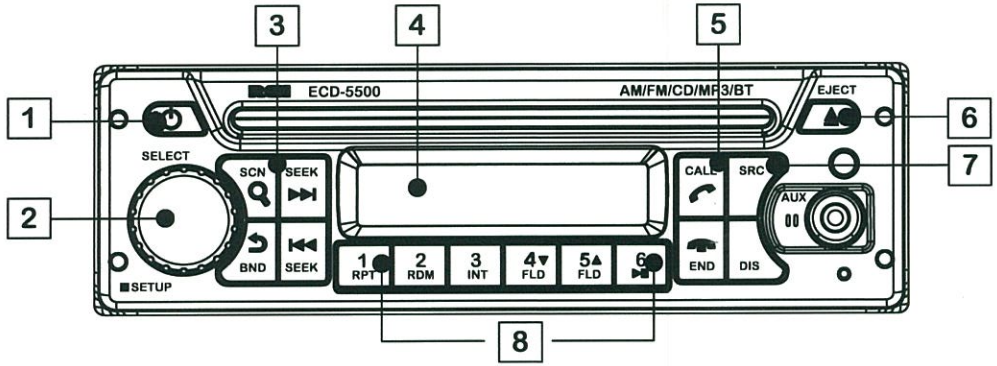
Driver's Area Controls



4 Keypress	2 Display	Function
RAD	DVD VOLUME 19 Driver Rad	Selects radio for driver's speakers. Pressing the RAD button while active will mute the Driver's audio. Pressing RAD again will return the audio to normal.
AUX	DVD VOLUME 19 Disc 0-00 Time 00:00 Driver AUX	Selects Auxillary Audio Source (3.5mm input jack located to the left of the driver) for driver's speakers.

5	2	5	2
Adjust Volume Down	DRIVER VOL 9	Adjust Volume Up	DRIVER VOL 18

ECD-5500 Radio Overview



Section Overview (Please refer to the User's Manual for more details).

1. POWER: Turns the Radio ON/OFF.
2. SELECT KNOB: Used for setup viewing and selection and iPod control.
3. LEFT CONTROL Section: Includes SCAN, SEEK, BAND, and iPOD controls.
4. DISPLAY: Shows radio status.
5. RIGHT CONTROL Section: Includes CALL, END, DISP (display), Bluetooth controls, and MODE.
6. EJECT: Ejects the CD from the radio, if present.
7. MODE: Cycles between TUNER, WB (Weatherband), CD, USB/iPOD, BT Phone (Bluetooth Phone), BT Audio (Bluetooth Audio), AUX1, and AUX2 modes on the radio.
8. PRE-SETS and Playback Options: Allows User defined station pre-sets 1 through 6 and playback options such as RPT (Repeat), RDM (Random), INT (Intro), FLDR Dwn (Folder Down), FLDR Up (Folder Up), and Play/Pause.

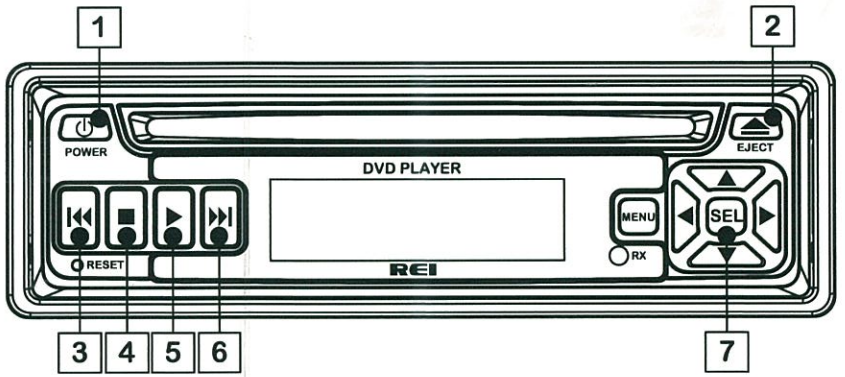
Connecting a Bluetooth Device

1. Use the MODE button on the radio to select BT Phone.
2. Make sure the Bluetooth is turned on for the device and search for CD-5000 BT (If prompted, the Radio Pass Code is 0000).
3. Once selected, the pairing of the device and the radio should occur. If successful, you will see CONNECTED displayed on the radio, as well as the Bluetooth symbol. The device will say Connected to phone & media audio.

Using a Bluetooth Device as an Audio Source

1. Make sure the device is connected to the radio using the directions above.
2. Once CONNECTED, use the MODE button on the radio to select BT Audio.
3. At this point, controlling the audio playback can be done with the radio controls, including Play, Pause, Next Track, and Previous Track.
   **NOTE: Volume should be adjusted using the Control Head UP/DOWN arrows, not the volume control of the radio.

REI DVD Player Overview



1. POWER: Turns the DVD Player On/Off.
2. EJECT: Ejects the DVD from the unit.
3. REWIND/Previous Chapter:
4. STOP: Press once to pause. Press twice to restart the disc.
5. PLAY: Starts disc playback.
6. FAST FORWARD/Next Chapter:
7. MENU and Navigation

MP-1000 Media Player w/Priority Message

1. The Control Head must be in Aux mode. (Press Passenger's AUX button to select.)
2. Press the VIDEO EVENT button located in the dash above the Control Head to start the prerecorded message and adjust the volume as needed. While the message is playing, the VIDEO EVENT Button will be illuminated (green). Message playback cannot be interrupted. At the end of the message, the green light will turn off and the system will return to it's previous state.

VIDEO EVENT Button

3.5mm Audio Source-Media Center Panel

1. Refer to the Passenger Section AUX on this Quick Guide for information.

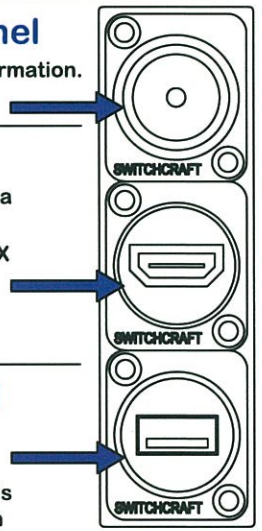
HD Video Source-Media Center Panel

1. Connect HD Video Source to HDMI input jack on Enhanced Media Center Panel located next to the driver.
2. The Control Head must be in AUX mode. (Press Passenger's AUX button to select.)
3. The Passenger's monitors will sync to the HD Source.

*NOTE: DVD video cannot resume if an HD Source is active.

USB Audio Source-Media Center Panel

1. Connect iPOD or storage device to USB input jack on Enhanced Media Center Panel located next to the driver.
2. Select USB/iPOD mode on the radio using the MODE button. This is now your audio source for the Passengers and/or Driver when RAD is selected on the Control Head.



tenance and Operators Manuals to familiarize yourself with
on, DEF capacity and Aftertreatment dash lamps sequence.

Diesel Exhaust Fluid (DEF) Lamp*

Illuminated

An illuminated DEF lamp is an indication that the DEF level is low. This can be corrected by refilling the DEF tank.

Flashing

A flashing DEF lamp indicates that the DEF level has fallen below a **critical** level. This can be corrected by refilling the DEF tank.

Flashing with Warning or Check Engine Lamp

A flashing DEF lamp combined with an illuminated amber Warning or Check Engine Lamp indicates that the DEF level is **critically low** and you will experience a **power loss**. Normal engine power will be restored after refilling the DEF tank.

Stop Engine Lamp with Flashing DEF and Amber Warning or Check Engine Lamp

If the engine has been shut down or has idled for 20 hours after the DEF tank has been run dry, the Stop Engine Lamp will also be illuminated along with the flashing DEF lamp and illuminated Warning or Check Engine lamp.
Engine power will continue to be reduced automatically. The vehicle will also be limited to 5 MPH (8 km/h) speed limit. Normal engine power and vehicle speed will be restored after refilling the DEF tank.

Malfunction Indicator Lamp (MIL)

(this symbol used to be used for check/stop engine and is now dedicated to MIL for emissions controlled components)

Functioning MIL Lamp

The MIL illuminates when the On Board Diagnostics (OBD) detects a malfunction related to the emissions control system. The illuminated MIL indicates that the engine needs to be serviced at the first available opportunity and can be illuminated along with any of the engine indicator lamps. **It is not used to indicate an engine protection or maintenance required condition.**

This is accomplished by the following:

1. Ensure the Regeneration Inhibit Switch in the Rear Curbside Service Door is not in the Inhibit position

2. Perform a DPF regeneration by one of the following methods:
   a. Change to a more challenging duty cycle, such as highway driving for at least 20 minutes.
   Or
   b. Perform a Parked Regeneration

Flashing

If a regeneration is not performed in a timely manner after the DPF lamp is illuminated, the DPF lamp will begin to flash. This indicates a higher level of soot in the DPF. In addition, engine power may be reduced automatically.

Flashing with Amber Warning or Check Engine Lamp

A flashing DPF lamp combined with an illuminated amber Warning or Check Engine Lamp indicates that the aftertreatment DPF needs regeneration immediately, Engine power will be reduced automatically. A parked regeneration is required.

Stop Engine Lamp (SEL/RSL)

If a parked regeneration is not performed, the red Stop Engine Lamp will illuminate. The vehicle should be stopped as soon as it can safely be done until it can be repaired.

High Exhaust System Temperature (HEST) Lamp

The HEST Lamp illuminates to indicate that high exhaust temperatures may exist due to aftertreatment regeneration. This is normal and does not signify the need for any kind of vehicle or engine service. When this lamp is illuminated, ensure that the exhaust pipe outlet is not directed at any combustible surface or material.

coolant is low in the radiator surge tank. Operators need to refill the surge tank up to the specified coolant level, otherwise the engine could self protect to prevent overheating.

Transmission Malfunction

Illuminated

An illuminated Transmission Lamp is an indication of a transmission failure. This condition can be corrected providing immediate service to the transmission.

Water In Fuel Indicator (WIF) Lamp

Illuminated

The WIF lamp indicates the presence of water in the fuel filter. When the conductivity probe indicates a change consistent with water, the Warning lamp flashes after the key is turned on.

Check Engine (CEL) Lamp or Amber Warning Lamp (AWL)

Illuminated

An illuminated Check Engine Lamp is an indication that the engine needs service at the first available opportunity.

Stop Engine Lamp (SEL) or Red Stop Lamp (RSL)

The red Stop Engine Lamp will illuminate to alert the driver of abnormal conditions. If abnormal conditions remain and a shutdown condition is met, the red Stop Engine Lamp flashes to indicate that the shutdown feature has been engaged and the engine will shutdown.

Fuel Filter Restriction Lamp

Illuminated

The fuel filter restriction lamp will be lit:

- For a period during the lamp check when the ignition is turned on, and is then normally off.
- Whenever the fuel filter has been clogged.

Items Driver Will Notice

Aftertreatment System

- Under certain conditions (cold or very dry) condensation, in the form of water vapor. can be seen coming from the vehicle tailpipe. This is normal. It will clear within a few minutes of normal vehicle operation.
- **SCR-Specific: Do not disconnect the vehicle batteries during the initial 60 seconds after turning your keyswitch off to avoid system damage.** During this time, a pumping sound may be heard from underneath the vehicle. This sound is the aftertreatment Diesel Exhaust Fluid (DEF) dosing unit purging any unused DEF from the system and returning it to the tank. This is normal.

Engine Sounds

- The 2010/2013 engines are equipped with a feature to 'Warm Up'
- the aftertreatment system under various idle conditions. This 'Warm Up' feature can cause slight sound changes during idle. These sounds are perfectly normal.
- The electric-actuated Variable Geometry Turbocharger causes the engine sound to vary at different times. This is normal. A slight turbo whistle may also be observed at idle conditions.
- Compression brakes are quieter on engines with Exhaust Aftertreatment.

Exhaust

- After prolonged idle, you may notice momentary white vapor and an odor. This is normal.
- When the High Exhaust System Temperature Lamp is illuminated, you may notice an odor. This is normal. If the odor is excessive and you also notice white vapor, have the exhaust system inspected for leaks.

Cold Weather Operation

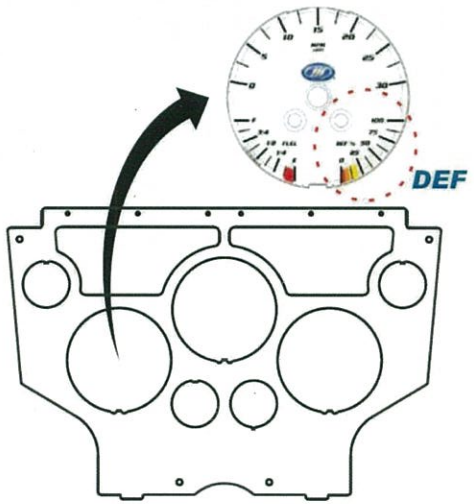
- When a coach is operating at idle, under 140 degrees F coolant temperature for longer than one hour an engine code (2789) will log and the Check Engine Light will illuminate, this is normal operation for the 2010/2013 EPA engines. To clear this fault, cycle ignition and restart the engine and let it run for 1 minute, the code should go inactive once the engine has performed a self-check.

How to Perform a Parked (Stationary) Regeneration

- Park vehicle in an appropriate location, the regeneration light must be illuminated and just prior to initiate the regeneration, the driver must move the coach(2-3 ft) to cycle the park brake and transmission, set parking brake, and place transmission in Neutral, and ensure fast idle and HVAC switches are disabled, allow at least 60 minutes for the regeneration. Engine must be up to normal operating temperature.
- Set up a safe exhaust area. Confirm that nothing is on or near the exhaust system surfaces.
- **Hold the manual Regeneration Switch in the Rear Curbside Service Door in the regen position for at least 5 seconds.**
  Note: Engine speed will increase and there may be a noticeable change to the sound of the turbocharger during the regeneration process. Once the diesel particulate filter is regenerated the engine will automatically return to normal idle speed.
- Monitor the vehicle and surrounding area during regeneration. If any unsafe condition occurs, shut off the engine immediately.
  To stop a parked regeneration, depress the service brake or throttle pedal or use the Regeneration Inhibit Switch in the Rear Curbside
- If Regeneration has not started after 60 seconds, move the coach again(2-3 ft) and repeat this procedure.

Once regeneration is complete, exhaust gas and exhaust surface temperatures will remain elevated for 3 to 5 minutes.

Reference your Detroit Diesel Owners Manual and Vehicle Owners Manual for complete operating instructions.



J4500 Instrument panel DEF/Diesel Fuel Combination Gauge Location

Fuel, Oil and Aftertreatment System Maintenance

- Only use Ultra Low Sulfur Diesel (ULSD) fuel.
- CJ-4 (low ash) is the recommended oil.
- Be sure to check DEF gauge at every refueling. DEF meeting ISO 22241-1 must be used.
- **Never put DEF in anything but the DEF tank (blue cap).**

Roadside and Technical Assistance

- For Engine Manufacturer Technical questions, call:
  Detroit Diesel Corporation: (800) 445-1980.
- For Motor Coach Industries Assistance, call:
  -Emergency Road Side Assistance and
  Technical support: (800) 241-2947.

MCI

Reliability Driven™

EPA 2010/2013 Engine, Driver's Information Card

J Coaches with DD13 Engine

p/n: 03-15-9648C