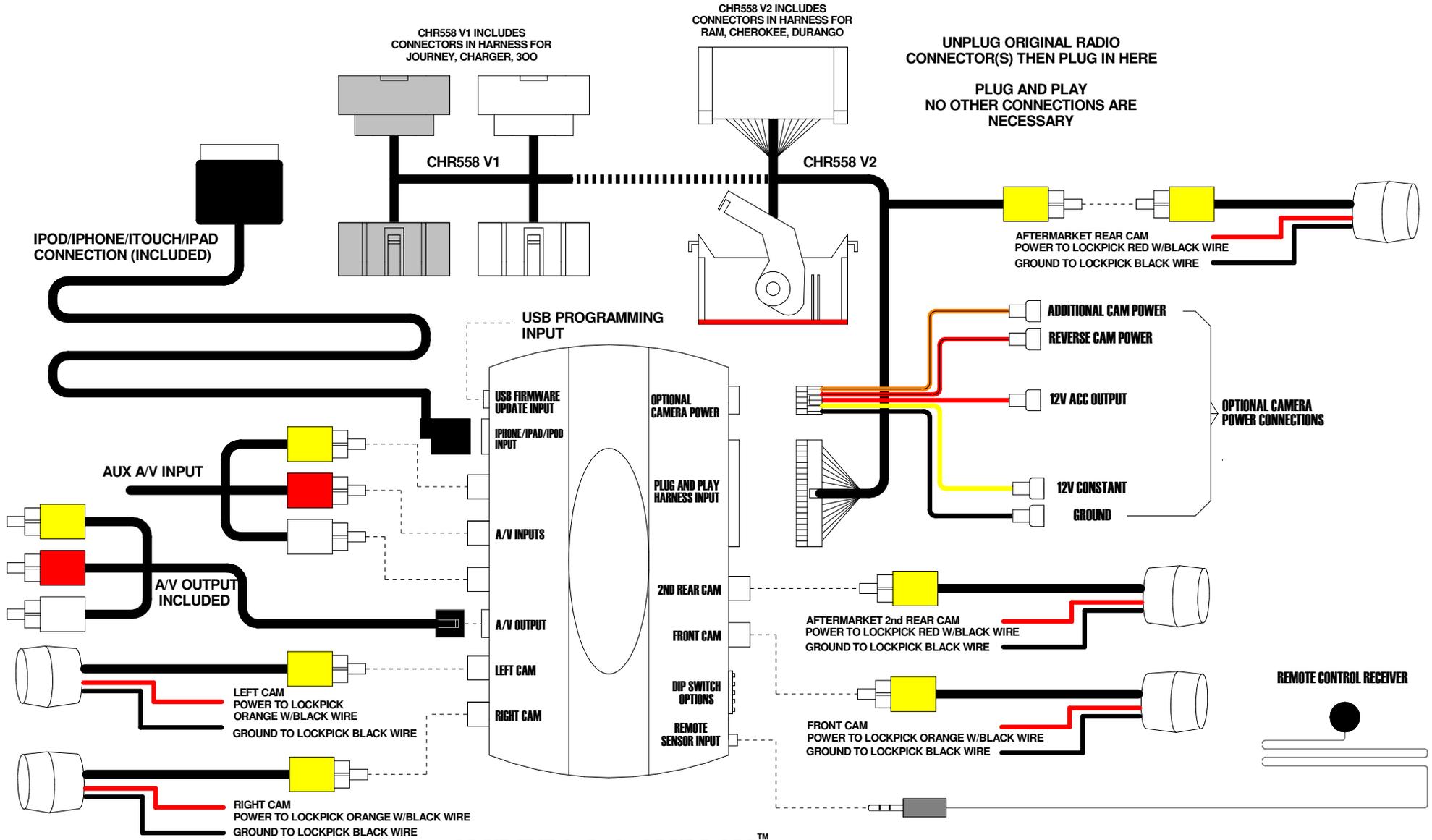


TWO LOCKPICK CHR558 HARNESSES AVAILABLE

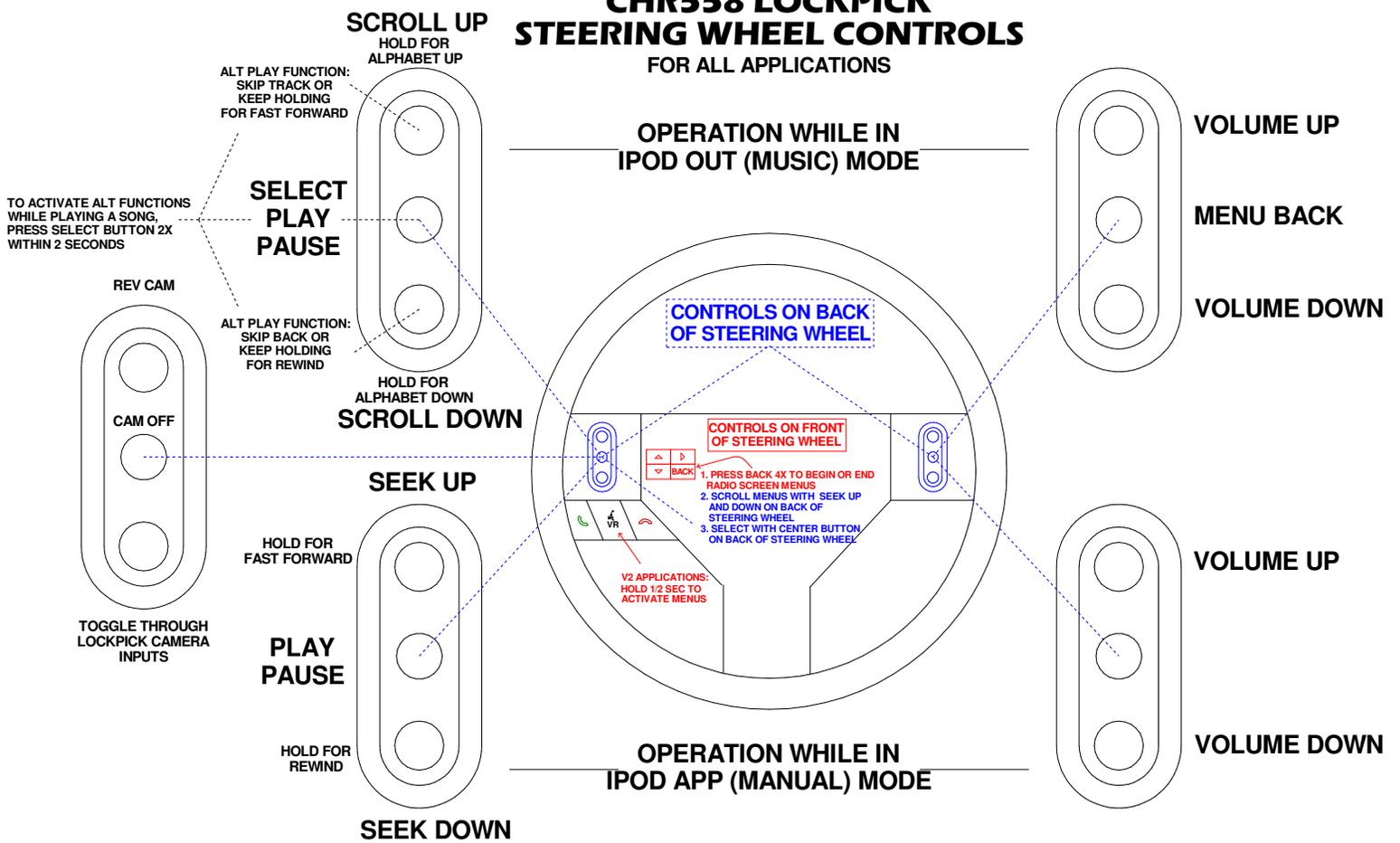


CHR558 LOCKPICK™ INSTALLATION OPTIONS

COPYRIGHT 2013 COASTAL ELECTRONIC TECHNOLOGIES, INC.

CHR558 LOCKPICK™ STEERING WHEEL CONTROLS

FOR ALL APPLICATIONS



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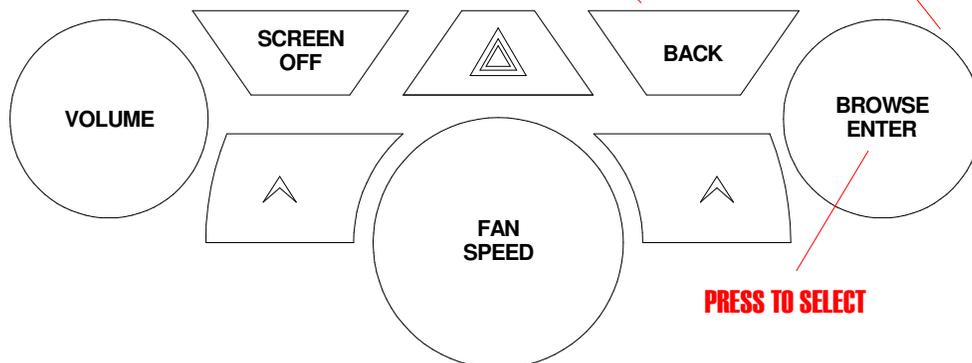
RADIO CONTROLS UNDER SCREEN

FOR CHR558 V2 APPLICATIONS
(OPTION DIP SWITCH 3 DOWN)
ONLY

**HOLD 1 SEC
TO ACTIVATE
MENUS**

OR
**PRESS 1x TO GO
BACK ONE LEVEL
IN MENU**

**TURN TO GO
UP AND DOWN
IN MENU**



Coastal Electronic Technologies, Inc.

Chrysler/Dodge/Jeep

CHR558 LOCKPICK

Installation and Operation Instructions

Thank you for your purchase of the Coastal Electronic Technologies, Inc. CHR558 LOCKPICK. The CHR558 LOCKPICK has many features and capabilities to unlock and allow full use of your Chrysler/Dodge/Jeep radio PLUS an enormous suite of multimedia functions including multi-camera input and built in connection and control of iPod/iPhone/iPad/iTouch devices.

This is only a partial list of included features:

- The ability to use your navigation system without restrictions including the ability to input addresses, search points of interest, etc. while in motion.
- You can also enjoy full use and video viewing of your DVD player (if equipped) and Rear Seat Entertainment (VES) Aux input jacks (if equipped), while in motion if you desire.
- Automatically enables the camera function in your radio with connections for up to 4 cameras. (fully compatible with vehicles already equipped with a factory rear camera)
- Automatic camera options for turn signal activation of side cameras, front camera while parking and rear or 2nd rear camera while in reverse, plus manual activation of any camera at any time.
- Advanced touch screen and steering wheel button control of all functions
- Full function remote control for quick and easy operations
- **iPod/iPad/iPhone/iTouch connection with activation of all available video functions plus iPod OUT graphics with album art and more!!**
- USB update ability built in to keep your Lockpick current with changing software needs.

This manual will document in detail, the many functions of the CHR558 LOCKPICK and how to properly set the programming switches to your desired operation. Installation diagrams are included to guide you in various connection strategies. Please read this manual fully so that you can learn to take advantage of all of the exciting features and capabilities of the CHR558 LOCKPICK.

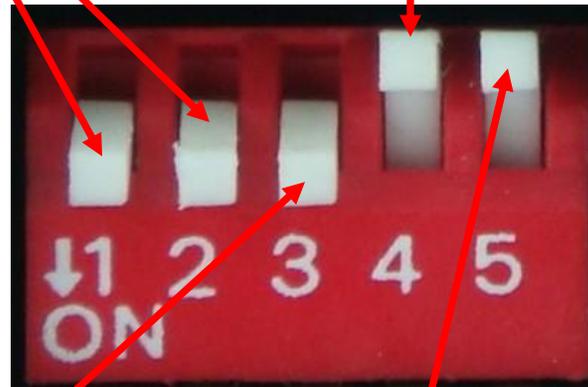
At this time, Coastal Electronic Technologies, Inc. would like to recommend that you have this installation completed by a certified mechanic or someone familiar with automotive electronics. This installation, while not time consuming, does require careful attention to detail and precise following of installation instructions.

Coastal Electronic Technologies, Inc. accepts no responsibility due to the improper installation or use of this product. Installation and / or use of this product implies and signifies user acceptance of this term of use. Please adhere to all driving laws in your state.

OK, let's get started. On your CHR558 LOCKPICK control box are switch settings which allow you to program your Lockpick for the features you would like to enable. The diagram below will detail the function of each. More than one switch may be turned on at a time to create the feature list you desire. Default setting when shipped is 1, 2 and 3 down, and 4 and 5 up. This turns on all options for 8.4 and 8.5 inch screens in vehicles with a navigation or standard premium radios.. Improper switch settings will not damage anything however it could cause your radio to fail to turn on or conflict with existing accessories.

**PLACE 1, 2 DOWN
ALWAYS**

**PLACE 4 UP
ALWAYS**



**DEFAULT SETTINGS
WHEN SHIPPED**

- 1. DOWN**
- 2. DOWN**
- 3. DOWN**
- 4. UP**
- 5. UP**

**PLACE 3 DOWN if
installing 2011-14
Charger, 300,
Journey.**

**PLACE 3 UP if
installing in 2013-
2014 Ram, 2014
Cherokee, Durango**

**BLOCK VIDEO IN
MOTION (DEALER
MODE)**

Place switch 5 DOWN to
BLOCK all Video viewing
while in motion.

Navigation address input and
camera use while in motion is
not blocked.

APPLICATION GUIDE

ADDITIONAL VEHICLES MAY APPLY OR BE ADDED LATER

IMPORTANT VEHICLE COMMUNICATION PROGRAMMING SETTINGS

**IDENTIFY YOUR VEHICLE FROM THE APPLICATION GUIDE BELOW AND
PLACE SWITCH 3 DOWN OR UP AS DIRECTED BEFORE PLUGGING IN THE LOCKPICK**

SWITCH 3 DOWN CHR558 V1 APPLICATIONS	SWITCH 3 UP CHR558 V2 APPLICATIONS
STEERING WHEEL BUTTONS AND TOUCH SCREEN CONTROL	STEERING WHEEL BUTTONS AND RADIO KNOB CONTROL TOUCH SCREEN NOT COMPATIBLE
2011-2014 CHRYSLER 300	2013-2014 DODGE RAM
2011 – 2014 DODGE CHARGER	2014 JEEP GRAND CHEROKEE
2011-2014 DODGE JOURNEY	2014 DURANGO

The CHR558 LOCKPICK is designed and programmed to operate in the above applications, however dip switch 3 must be configured properly to identify the proper system before plugging in the interface. Consult the list above and position switch 3 to the proper orientation before plugging in the LOCKPICK module. Placing the switches in the wrong position could cause the radio to fail to turn on. If you accidentally connect the interface with the wrong switch setting, it is recommended that you turn the car off and completely unplug the interface and radio harness before properly setting the programming switches on the interface.

The CHR558 LOCKPICK is designed with simple “T” harness connectors, equipped with factory male and female connectors for direct connection to your radio. Most installations are relatively simple with just a single panel which must be pulled free before exposing the radio or screen. In the case of dip switch 3 UP applications (CHR558 V2), the Lockpick harness connects directly to the back of the screen. For switch 3 down applications (CHR558 V1), the Lockpick harness connects to the rear of the radio and not the screen. Remove 4 screws holding the screen or radio to view the connector(s). Consult a professional installer if you require assistance plugging in your Lockpick. Videos are provided as an example for gaining access to the rear of the radio at <http://coastaletech.com/LOCKPICKC8.htm>

- 1. With access to the rear of the Screen or Radio**, unplug the matching connector(s) and plug them into the female connectors of your LOCKPICK CHR558 harness. The CHR558 V2 single connector has a locking bar that you need to release by pressing in on the end before it can be unplugged. Then plug the male connectors of the LOCKPICK harness into the earlier factory locations. That’s it. The connectors are keyed and cannot be plugged in to the wrong location. Line up the connectors carefully and make sure that pins are not bent or misaligned before fully inserting the connector.
- 2. Lockpick SETUP - Before plugging in your Lockpick**, insure that the dip switches are properly set for your vehicle and options desired.
- 3. If you do not currently have a rear view camera and want to add one to your vehicle, the Lockpick makes it easy.** Included on your Lockpick wiring harness, is an RCA connection on the Lockpick harness for video input of an aftermarket rear camera. Also, power for your rear view camera is provided and labeled on the Lockpick harness as REVERSE CAM 12V + power output A GROUND connection is also provided to make connecting and powering your camera simple.
Note: Some installers may be familiar with using the reverse taillight as a power source for aftermarket rear view camera installations. This is not recommended or needed when using the Lockpick as it supplies all power needs and video connections. Failure to connect the camera power

to the Lockpick will prevent the Lockpick from being able to power and display the aftermarket camera at times other than reverse.

4. **If you already have a factory rear view camera, no extra wiring or connections are necessary for the Lockpick to be able to activate and display the camera at any time, just plug and play.**
5. **If you would like to install a 2nd rear camera, the Lockpick provides an additional connection for alternate automatic rear camera viewing. Often, when pulling a trailer or other load, the factory rear camera is obstructed and provides little useful information when backing up. The Lockpick provides an input on the module for a 2nd rear camera video input that allows an extended view that you can enable or disable on demand using on screen menu options. Connect your 2nd rear camera to the video connection on the Lockpick module (see installation diagram) and power the camera from the rear camera power provided on the Lockpick harness.**
6. **If you want to add a front camera or left and right side cameras to your vehicle, the Lockpick is prewired and programmed for exciting options. The Lockpick harness has a 12V power output labeled ADDITIONAL CAM POWER 12V+ to automatically provide the power needs of your front and side cameras or to provide power and control of an interior baby camera if desired. Connect the power needs of your additional cameras to the camera power output and attach the GROUND connection of your camera to the GROUND connection provided for you on the Lockpick harness. Connect the video from your cameras to the RCA video inputs labeled on your Lockpick module. (see installation diagram)**
7. **The A/V inputs on your Lockpick module provide simple connection of your aftermarket DVD, video game or other mobile multimedia source. Connect your device to the stereo Audio and video input on your Lockpick module for full multimedia action.**
8. **Also present on your Lockpick harness is a 12V ACC output connection. This ACC output is created by the Lockpick and can be used as a convenient 12V switched power source for many of your accessories. It is rated for a constant 1.5 AMPs and will automatically turn on and off at the proper times of your vehicle use. If your power needs are greater than 1.5 Amps, you may use the CONSTANT 12V output conveniently provided by the Lockpick harness and switch it on and off through a relay powered by the ACC power output of the Lockpick harness.**

****NOTE:** *The connections for 12V Constant Battery power (YELLOW), ACC Ignition power (RED), GROUND (BLACK), Reverse/2ND REVERSE power (RED W/STRIPE), Front/Bab/Turn signal cam power (ORANGE W/STRIPE), are provided as a BONUS in your wiring harness for you to use when connecting additional accessories such as a DVD player, Game, Cameras, Radar detector, etc., without worry that they might drain your battery when the car is turned off. The ACC wire can power up to 1.5 Amps constant. Higher loads should be connected with a relay.*

**** Do not attach the Constant or ACC wires directly to the vehicle wiring or ignition switch. The Lockpick is plug and play for standard DVD/NAV/VIDEO/ /CAM unblocking and does not require connections for power or ground. Connecting these Lockpick outputs to the vehicle wiring can damage the unit and cause improper operations.**

CHR558 LOCKPICK OPERATION INSTRUCTIONS

The CHR558 creates a series of on screen menus as well as instrument panel text to allow easy operation and control of its many functions. Dip switch 3 DOWN applications are able to control many functions using the touch screen as well as steering wheel buttons. Dip switch 3 UP applications do not support touch screen functions and are controlled using steering wheel and radio controls only. Also, the remote control can allow direct access to lockpick functions without navigating the menu structure

All functions begin by accessing the menu structure created by the Lockpick on the dash instrument cluster and graphically on the radio screen. A remote control is provided allowing even quicker operations.

Press the BACK button on your steering wheel 4x within 3 seconds (or use radio BACK button for V2 applications) to display Lockpick menus or touch the top left corner of your screen in compatible vehicles.



Substitute steering wheel and radio buttons for control in vehicles which do not support touch screen operations. (See Steering Wheel Functions Diagram provided)



The Lockpick generates several pages of exciting functions!!



Touch bottom to scroll down, top to scroll up and middle to select

- 1. OVERRIDE –ON** is the default state for this Lockpick option. Select Override ON to activate the enabling feature of the Lockpick for navigation input while in motion or DVD play while in motion. The Override feature will remain on as long as you desire or until you return to the Override menu and turn it OFF. If your vehicle is equipped with rear seat entertainment, the Override will also enable full use of the factory A/V jacks input jacks in your console.

2. **IPOD MUSIC** – The Lockpick will detect if your connected device supports iPod OUT graphical functions. Currently this function is available on iPhone/iTouch/iPad products which are using operating system 4.0 or greater as well as 6th generation Nanos. If your iPhone, iPad or iTouch is not up to date with the current Apple software, simply connect it to your computer and activate the update through iTunes. **Apple products, iPhone 5 and late iPads, which use the new lightning connector no longer support video output and are not compatible.**



Touch bottom to scroll down, top to scroll up and middle to select

The Lockpick will display the full enhanced music search ability of your Apple device and allow easy touch screen and/or steering wheel control. Scroll up or down or hold to activate alphabetical searches. Once you make your selection, the Lockpick will enable additional touch screen functions.



Touch Left for previous song/rewind, Right for next song/fast forward and center to play/pause.



Touch Bottom Left to go Back one level in music selection, Top Left to return to Lockpick menus.



Touch Bottom Right to View Rear Camera, Top Right to toggle video OFF and back ON

3. **IPOD APPS** – Select IPOD APPS to enable full video and audio output from your Apple device when operating App functions. If you select video on your device, play a YouTube video, use Netflix or other streaming service, the movie will play on your screen and sound through your sound system. In fact all of your photos, iHeart radio and Pandora music can be seen and heard while in the IPOD APPS mode. You can easily toggle the video on and off while in this mode by touching the top right corner as shown above or instantly view your rear camera with the bottom right. Or, you can touch

the top left corner to return to the Lockpick menu. Steering wheel controls will operate to play/pause or next and previous track various functions within the app.

- AUX A/V** – The Lockpick includes a set of audio and video inputs directly on the Lockpick module that will activate when AUX A/V is selected. Plug in your aftermarket DVD player or video game for additional multimedia experiences in your vehicle. While in the AUX A/V mode, the previously described touch screen functions for Lockpick menu, view rear cam and video on/off are active the screen corners.
- FACT AUX** – Within the console are factory audio inputs to plug-in audio only. The Lockpick uses some of the functionality of these jacks to provide the audio input used during its operations. If you need to use the factory aux input jacks, select to activate them using the Lockpick FACT AUX menu selection. Also, unplug any device plugged into the factory aux audio jacks while using the multimedia functions of the Lockpick or mixing of audio signals will occur.
- VIEW CAMS** – This Lockpick selection allows you to select and view any of the Lockpick camera inputs.



After you make your camera selection, the Lockpick will enable additional camera viewing options.



Touch to toggle between rear cam or 2nd rear cam view



Touch top for front camera view



Touch left for left camera view



Touch right for right camera view



Touch center to turn camera view OFF

The above camera video functions are available whenever any camera is activated by the Lockpick and being viewed on the screen.

7. **HR OPT.** – The Lockpick includes an A/V output that you may use to send Lockpick audio and video out to headrest multimedia or other additional screens. You may select which Lockpick output to send independent of what you are viewing on the radio screen.



Scroll using touch screen to desired output and select using center screen touch.

Headrest Out Screen selection duplicates radio screen selection on headrest output. Otherwise, select the camera video or multimedia output to show on the headrest output.

8. **MORE OPT.** – The Lockpick includes functions to display various cameras automatically at the appropriate times. More than one option can be selected at a time to reflect the number of cameras you have installed.



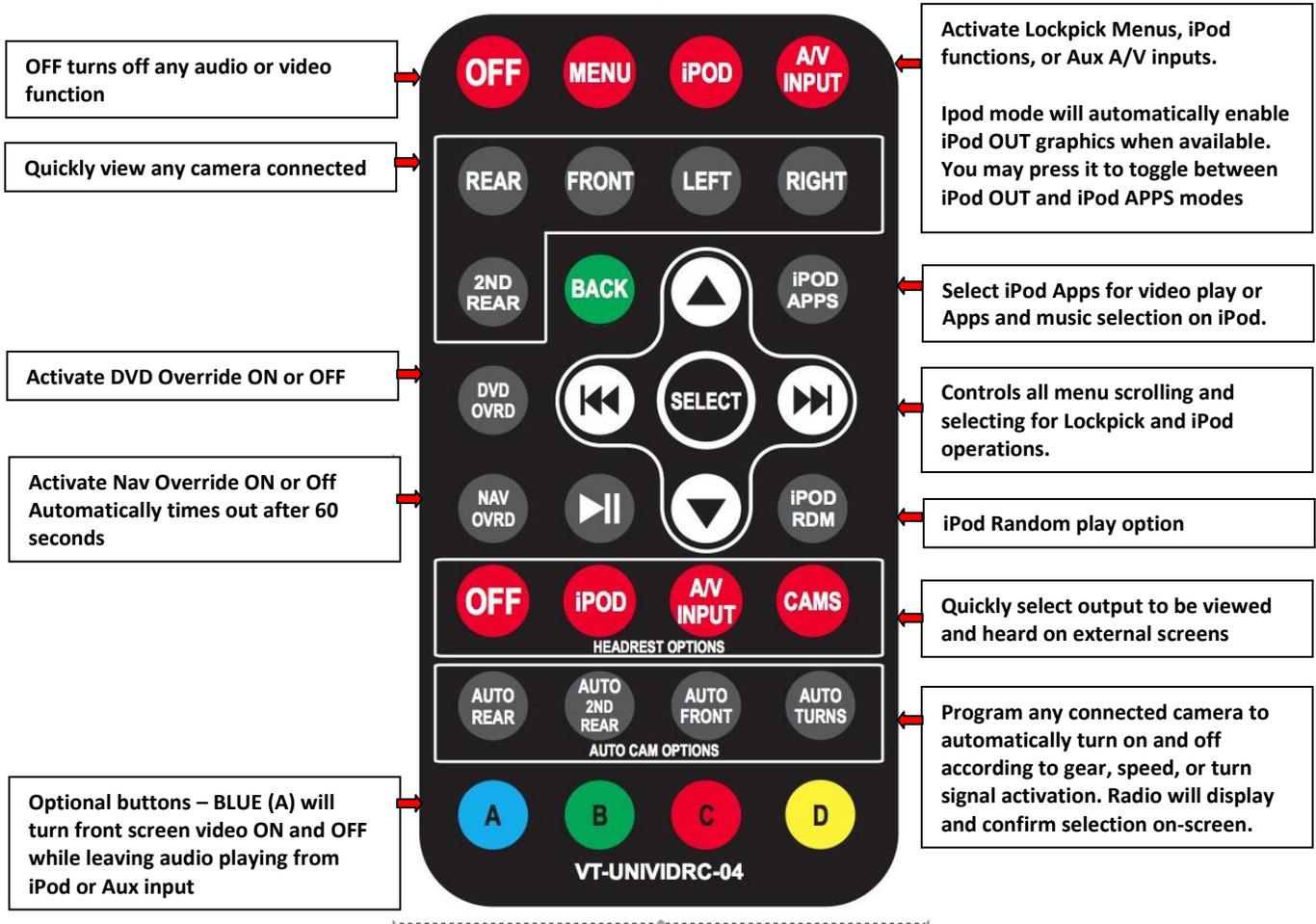
- By default, a rear camera is enabled and AUTO REAR is selected causing the rear camera view to automatically display when the car is placed in reverse.
- If 2nd reverse cam is enabled, the Lockpick will display the video from a 2nd rear cam while in reverse instead of the standard rear camera. You may use this option for installations involving a trailer or whenever you may find a different view helpful. You may toggle between 2nd rear cam and standard rear cam by touching the bottom of the screen while the camera is in view.
- Auto front cam enables a front camera to become automatically viewed whenever the vehicle slows to below 7 mph. This is helpful as a parking aid or verification of safety before driving forward. The camera view will automatically turn off as the vehicle accelerates, or it can be temporarily turned off by touching the center of the screen. The screen will return to standard radio views until the vehicle accelerates and then slows to below 7 mph again.
- Auto turn cam enables side camera automatic viewing when the corresponding turn signal is activated. When the turn signal is turned off, the camera automatically turns off.
- You may enable the headrest auto cams function to also output to the headrest, the automatic cameras currently showing on the front screen, even if the headrest is currently showing different video.

9. **INFO** – The Lockpick will display the current hardware, software and serial number.

*Substitute steering wheel and radio buttons for control in vehicles which do not support touch screen operations.
(See Steering Wheel Functions Diagram provided)*

CHR558 Remote Control Operations

The Remote control for the CHR558 is battery powered (provided) and communicates with infra-red light to the included pickup sensor. The sensor plugs into the Lockpick module and should be placed in the vehicle at a location easily targeted by the remote. The steering wheel functions can be used along with the remote control functions at any time. The remote control can allow quicker access to many of the features of the CHR558 without navigating the menu structure needed by the steering wheel controls. Before using the remote for the first time, be sure and pull the plastic tab from the battery compartment to engage battery connections.



Installation Q & A:

- 1. I installed the Lockpick and now my radio does not turn on.*
Check all interface switches and correctly set them for the vehicle type (see application chart). Check to make sure you have fully inserted the Lockpick connectors behind the radio without bending pins.
- 2. When I put the car in Reverse, the radio screen blanks out. I do not have a rear view camera.*
The Lockpick automatically activates a rear view camera input for your radio. If you do not intend to install a rear view camera or do not want it activated automatically, refer to the Lockpick options to disable the AUTO REAR function.
- 3. The touch screen is not activating my Lockpick functions.*
Certain late model vehicles do not have screens which output touch screen information. In these vehicles, substitute steering wheel buttons to operate the Lockpick menus.
- 4. I turned on one of the Camera, iPod, or Aux functions created by the Lockpick and all I see is a flashing picture or blank screen when I try to look at the video.*
This means you don't have anything connected or, do not have the device (cam, iPod, etc.) turned on to supply a video input. The radio screen will be blank or flash when there is no video from your connected device. Common solutions for camera pictures are normally resolved by rechecking the power connections and insuring that all cameras are powered by the connections provided on the Lockpick harness. Also, check to make sure you have fully inserted the Lockpick connectors and the video connections for your device are plugged in. Connectors not fully inserted may create intermitting operations.

USB UPDATING



(make sure module is also connected to Lockpick harness and vehicle)

Your CHR558 Lockpick interface includes the ability to be updated via a USB connection to a PC. A software program is available for download and installation on our website at www.coastaletech.com/usbupdate.htm . This operation is only to be done when directed by our service staff. Updating to the wrong software or installing software meant for a different device will permanently stop your unit from working. Download the application and save it to your computer. Open the folder and select the SETUP file to install the FIRMWARE UPDATER program on your computer. On our website we provide updates and changes that will use the FIRMWARE UPDATER program to allow simple updates to your Lockpick module when desired.

If directed to do so, download and save the desired Lockpick update from our website. Make sure the module is plugged into the Lockpick harness and connected to your vehicle with the key off. Plug in the USB cable to the Lockpick module and your computer. Then open the FIRMWARE UPDATER program on your computer and when prompted, browse to the location you saved the desired update. Start the update as directed in the software and do not stop the process once begun. After completion, disconnect the USB cable, start the car and explore the installed firmware changes.

ENJOY YOUR LOCKPICK™ !!