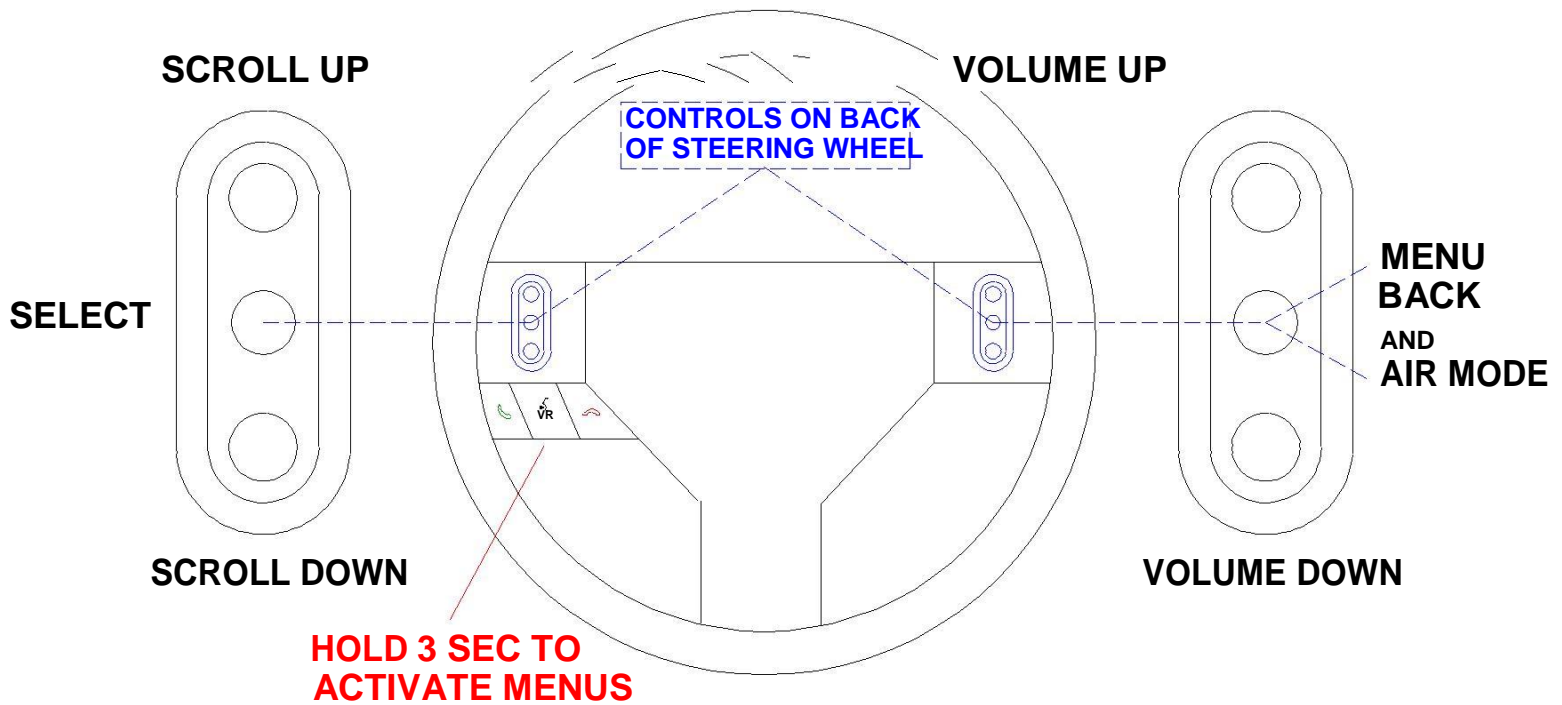


UCONNECT LOCKPICK AIR V2™ INSTALLATION OPTIONS

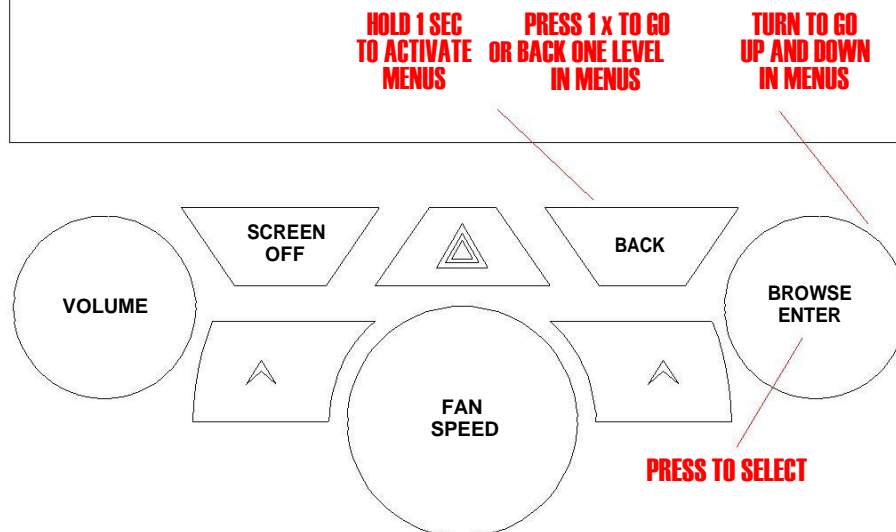
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UNCONNECT LOCKPICK™ AIR STEERING WHEEL AND RADIO CONTROLS



RADIO CONTROLS UNDER SCREEN

OPTIONAL CONTROL
OF MENU SCROLLING



Coastal Electronic Technologies, Inc.

Chrysler/Dodge/Jeep

UCONNECT LOCKPICK AIR V2

Installation and Operation Instructions

Thank you for your purchase of the Coastal Electronic Technologies, Inc. UCONNECT LOCKPICK AIR. The UCONNECT LOCKPICK AIR 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 **WiFi capabilities for Connection and Streaming from Android Smartphone and Tablets. Apple smartphones and tablets have some restrictions for video streaming; see application notes at bottom of page.**

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.
- ☐ Steering wheel button control of Menu operations
- ☐ Full function remote control for quick and easy operations
- ☐ **WIFI connection for wireless Audio and Video Mirroring !!**
- ☐ USB update ability built in to keep your Lockick current with changing software needs.

This manual will document in detail, the many functions of the Uconnect LOCKPICK AIR 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 Uconnect LOCKPICK AIR.

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.

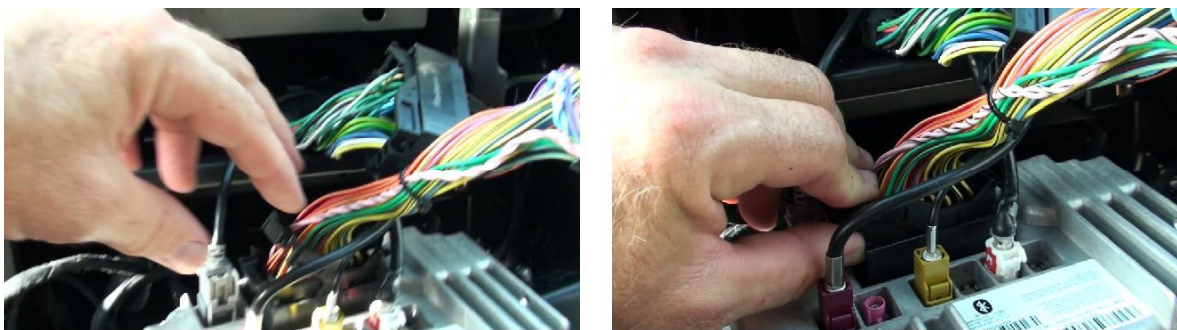
Apple streaming note: Apple markets a device called Apple TV which permits wireless streaming video from an iPhone/iPad to the Apple TV for viewing on a television set. Apple restricts some streaming so that only Apple TV receivers can show streaming video from these devices. The Lockpick Air will allow mirroring of your Apple smartphone including all phone displays such as map, internet, pictures, texts, games etc. Videos recorded on your device will stream to the Lockpick however, videos downloaded from iTunes are blocked. Netflix App versions (5.0 and above) will also not stream. If your device still has the older Netflix version (4.31 or below) video streaming is still possible. YouTube video streaming is also restricted to Apple TV. Apps such as PlayTube will stream YouTube videos and Crackle will stream full length movies. Both are free to download on iTunes.

Android phones have no such restrictions and will connect and stream all functions to the Lockpick Air.

INSTALLATION

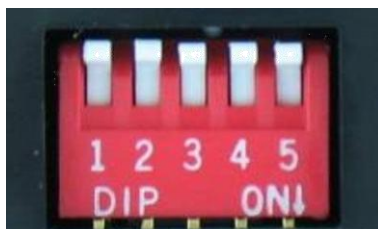
This written guide will detail the connections for the Lockpick harness and provide reference for general installation and operations. The UCONNECT LOCKPICK AIR is universal for many different Chrysler/Dodge/Jeep models and individual dash disassembly is not addressed in this manual. Please consult a local stereo shop for installation assistance or view our installation videos online.

1. Remove the surrounding screen bezel panel(s) and the four screws holding the screen in place. Next, remove the screen and unplug the large connector on the back. To release the connector, press on the side of the connector locking tab before lifting the locking bar. As the bar is lifted, the connector will eject.



The Lockpick harness is simple to install and consists of matching male and female connectors which are installed in-line with the original factory connection. Plug the factory connector removed earlier into the matching female Lockpick connector. Finish by plugging the male Lockpick harness connector back into the previous factory location on the radio screen. When plugging in the connector, leave the locking bar partially up, then press down on the bar to lock it in. (see pictures above)

2. Route Lockpick harness so that wiring is not crimped or pinched under the radio.
3. The UCONNECT LOCKPICK AIR is a simple Plug-N-Play interface however additional wiring is labeled and available on your Lockpick harness. These connections may be used for your aftermarket accessory power needs and video input from an aftermarket rear camera. **They are not necessary for a standard installation and should never be connected to your vehicle wiring.** They are provided for accessories which may connect to your Lockpick. They include:
 - REAR CAMERA VIDEO INPUT – Standard RCA video input.
 - RED – 12V ACC power output (Limit 1 amp)
 - YELLOW – 12V constant power output
 - BLACK – Vehicle GROUND connection
 - ORANGE/BLACK STRIPE – 12V rear camera power output
 - RED/BLACK STRIPE – 12V additional camera power output (front, left, right, aux, etc.)
4. Lockpick SETUP - **Before plugging in your Lockpick**, insure that the switches and controls are properly set for your vehicle and options desired.



Option Switches

1. Place Option Switch 1 Down For installations in the **2014-15 Jeep Cherokee**
2. Place 2 in the UP position for all applications.
3. Place 3 in the UP position for all applications.
4. Place 4 in the UP position for all applications.
5. Place 5 Down to disable override features for factory A/V input and navigation input in motion.

APPLICATIONGUIDE

ADDITIONAL VEHICLES MAY APPLY OR BE ADDED LATER

If your vehicle includes the 8.4" or 4.3 screen and is not on the application list below, the UCONNECT LOCKPICK AIR V1 should be purchased.

UCONNECTAIR V2APPLICATIONS
2013-15 DODGERAM
2014-15 JEEPGRANDCHEROKEE
2014-15 CHEROKEE
2014-15 DURANGO
2015 CHRYSLER200

5. **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.
6. **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.**
7. **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.

8. **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)
9. **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 inputs on your Lockpick module for full multimedia action.
10. **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.**

On Jeep Crysler vehicles equipped with an Uconnect 8.4 " with software updated to the MY2017 version, you can only manually activate the override from the Lockpick menu.

When using GPS navigation, the override function must be switched off.

UCONNECT LOCKPICK AIR OPERATION INSTRUCTIONS

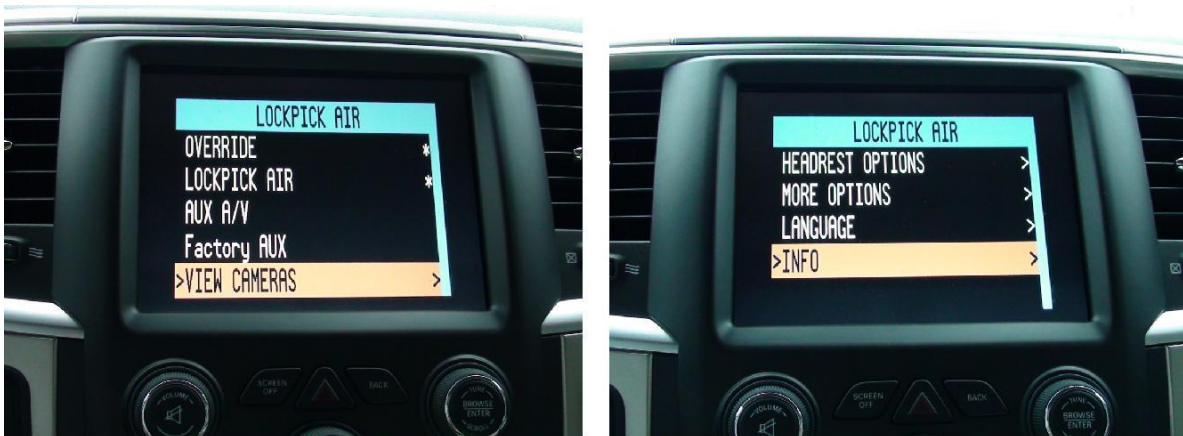
The LOCKPICK AIR creates a series of on screen menus as well as instrument panel text to allow easy operation and control of its many functions. The Lockpick supports steering wheel menu control or the included remote control can allow direct access to Lockpick Air functions without navigating the menu structure.

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

Press and hold the VOICE button on your steering wheel for 3 seconds or press the menu button on your remote to display Lockpick menus.



The Lockpick generates several pages of exciting functions!!



Scroll up, down and select with steering wheel buttons (see drawing included) or use the remote control.

The LOCKPICK AIR menu will open and display the current status of multiple options as well as allow the user to change each selection with the remote control. The menu will display with an asterisk next to each item that is activated.

- ❑ Override can be selected here or from the steering wheel for enabling navigation input while in motion or full use of factory A/V input jacks if equipped.
- ❑ The LOCKPICK AIR multimedia source is shown and if selected, will display the video on your screen with sound through your factory system. If AUX A/V is selected, it will then become the source and will display with sound through your factory sound system.
- ❑ Selecting “VIEW CAMERAS” will display a selection of all camera video inputs and allow the user to select which camera view they would like to view immediately on the radio screen.



- ❑ Selecting “HR OPTIONS” (headrest) will allow the user to determine which video and audio to send to an additional screen or headrest multimedia system.

Scrolling further down the menu will reveal the “MORE OPTIONS” selection as well as Language Options (English or Spanish), and INFO for displaying current device software, hardware and serial number.



Shown above, the “MORE OPTIONS” menu allows the user to:

- ❑ Select a **REAR CAMERA** to display automatically while the vehicle is in reverse (default ON)
- ❑ Set a **2nd REAR CAMERA** to be the one seen while the vehicle is reverse
- ❑ Enable the **FRONT CAMERA** to activate automatically while the car is below 7 mph and turn off when the vehicle accelerates past 7 mph
- ❑ Enable **TURN CAMERAS** to activate automatically when the corresponding turn signal is used
- ❑ Headrest Auto Cams - Send any of the above **CAMERA VIDEO** automatically to a separate screen or **HEADREST** display whenever that camera is activated.

LOCKPICK AIR WIFI OPERATION

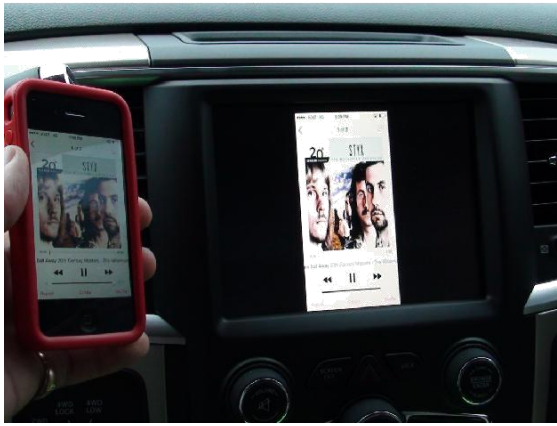
The LOCKPICK AIR includes WiFi capabilities which allow streaming wireless operations from smart phones, tablets and more . Included in the Lockpick capabilities are multiple modes of streaming airplay to allow different types of devices to send video and audio to the Lockpick and factory radio. When the Lockpick Air mode is selected, the Lockpick will display the current Airplay mode. If your device requires a different Airplay mode for streaming, press the AIR MODE button on the remote control. The Lockpick will reboot and toggle between three formats.



1. DLNA (iPhone, iPad)
2. MIRACAST (Android)
3. WIDI (Intel)

To begin pairing with the Lockpick, simply insure that the WiFi feature of your device is enabled and if prompted, select Lockpick Air to connect.





Turn on the Mirror function on your Apple or Android device and full multimedia operation is transferred to the Lockpick for viewing and listening. This can include music with associated album art, map, navigation, text messaging, pictures, internet, games, **YouTube, Netflix (see Apple restrictions page 1)**, and more. Apple devices will stream videos recorded from the device itself, but will not stream iTunes videos or DRM copyrighted media. Android devices have no such restriction and will even stream movies downloaded and saved on the device.

Make sure that your device is running the latest software available from the manufacturer as earlier versions may not support streaming or mirroring.

Installation Q & A:

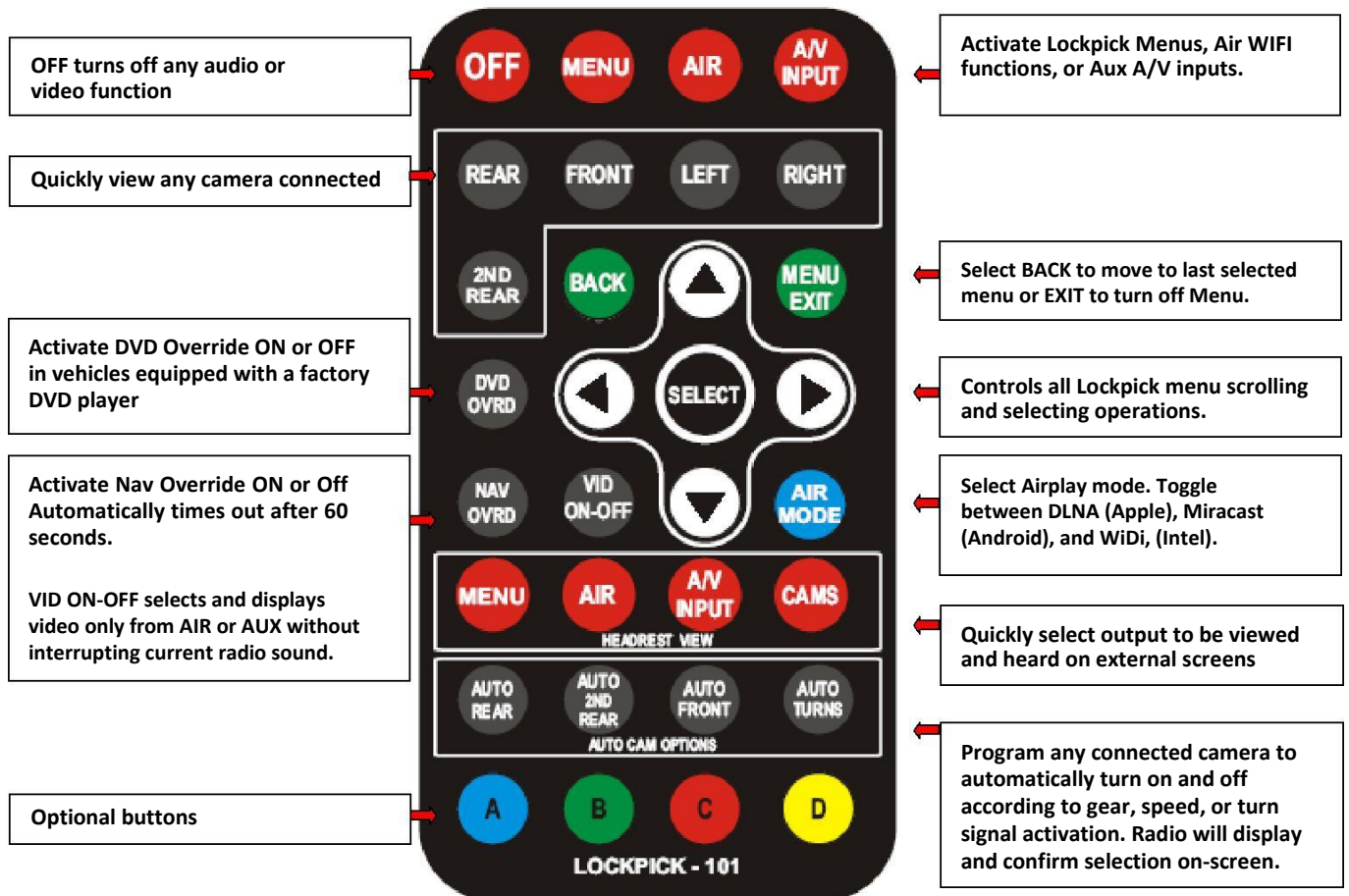
1. *Which Lockpick Air mode am I supposed to use to connect with my kind of phone?*
If you are using an Apple device, press the mode button on the remote until the Lockpick Air screen view has booted up in the DLNA mode. Android phones should use the Lockpick Miracast mode for their streaming. Microsoft phones do not have a native Airplay function at this time.
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. *I turned on one of the Cameras, 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, DVD, 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.

Lockpick Air USB Updates

The Lockpick Air includes the ability to be updated via a USB connection to a laptop PC. If directed to update by one of our technicians, consult our website at CoastalEtech.com/usbupdate.htm for specific downloads and instructions for your Lockpick Air. It is not recommended to update the Lockpick without first consulting a technician.

Lockpick Air Remote Control Operations

The Remote control for the Lockpick Air 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 Lockpick Air 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.



ENJOY YOUR **LOCKPICK™!!**