

**UNPLUG ORIGINAL SCREEN
CONNECTOR THEN PLUG IN HERE**

**PLUG AND PLAY
NO OTHER CONNECTIONS ARE
NECESSARY FOR OVERRIDE FEATURES**

CONNECT USB CABLE HERE
FOR FUTURE UPDATES

CONNECT CAMERA(S) OR THE VIDEO OF YOUR CHOICE

AFTERMARKET FRONT CAM, LEFT CAM
OR OTHER VIDEO CONNECT HERE

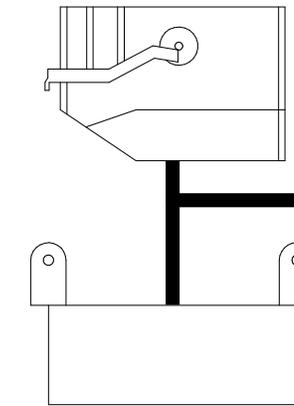
CAM POWER TO LOCKPICK
RED W/BLACK STRIPE WIRE

TO LOCKPICK BLACK GROUND WIRE

AFTERMARKET 2ND REAR CAM, RIGHT CAM
OR OTHER VIDEO CONNECT HERE

CAM POWER TO LOCKPICK
RED W/BLACK STRIPE WIRE

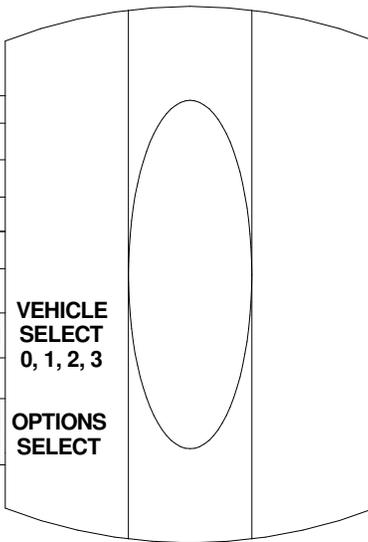
TO LOCKPICK BLACK GROUND WIRE



**AFTERMARKET REVERSE
CAM VIDEO INPUT**

AFTERMARKET REAR CAM CONNECT HERE

CAM REAR POWER TO LOCKPICK
ORANGE W/BLACK STRIPE WIRE
TO LOCKPICK BLACK GROUND WIRE



COMMUNICATION
OPTIONS
3, 4 DOWN

ACCESSORY 12V POWER OUTPUT

CONSTANT 12V OUTPUT

GROUND FOR ALL
AFTERMARKET CAMERAS

REVERSE CAM ORANGE/BLACK
12V POWER OUTPUT

FRONT/LEFT/RIGHT/AUX CAM
RED/BLACK
12V POWER OUTPUT

OPTIONAL POWER OUTPUTS
IDENTIFIED BY COLOR
AND PRINTING ON WIRE

MyTouch FIM LOCKPICK™ INSTALLATION OPTIONS

COPYRIGHT 2013 COASTAL ELECTRONIC TECHNOLOGIES, INC.

Coastal Electronic Technologies, Inc.

FREEDOM IN MOTION

MyTouch Lockpick™

Thank you for your purchase of the Coastal Electronic Technologies, Inc., Freedom in Motion MyTouch LOCKPICK. The FIM MyTouch Lockpick is designed to enable full functionality to your factory navigation system. It can also enable an input for single or multiple camera installations.

The FIM MyTouch Lockpick incorporates many important features including:

- NAVIGATION ADDRESS INPUT in motion, or any other blocked radio function
- Full factory camera control in any gear, plus 2 additional inputs for cameras or video
- Turn on camera input in any MyFord touch system even if not factory equipped
- Fully enable use of factory Video/Audio input jacks in console
- Use of steering wheel controls for Lockpick operation – no extra buttons to install
- Advanced module with USB update ability
- Special cables and connectors for plug-in installations that are completely reversible

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.

INSTALLATION

OVERVIEW

1. Remove front trim panel to gain access to screen mounting screws.
2. Remove the screen partially to expose rear connectors.
3. Unplug large factory connector from the rear of the screen and then plug it into the Lockpick harness connector.
4. Set Rotary Switch according to instructions.
5. Set communication dip switches according to instructions.
6. Set Option dip switches to enable a rear camera input or other video inputs.
7. After positioning switches on Lockpick module, plug in Lockpick harness connectors to the module and screen.
8. Connect camera connectors to module if installing aftermarket systems.
9. Reassemble and enjoy.

This written guide will detail the connections for the Lockpick harness and provide reference for general installation and operations. The FIM MyTouch is universal for many different Ford/Lincoln/Mercury 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 down the 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

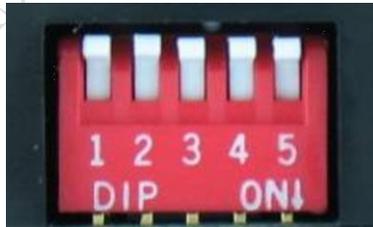
the matching female Lockpick connector. Finish by plugging the male Lockpick harness connector back into the previous factory location.

2. Route Lockpick harness so that wiring is not crimped or pinched under the radio.
3. The MyTouch Lockpick 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. 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 – RCA 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.



Communication Switches

1. Place 3 and 4 Down for all vehicles.
2. Also place 11 Down for C-Max vehicles



Option Switches

1. Place Option Switch 1 Down if you wish to reprogram your screen to add a rear camera or other type of camera/video to your installation or, if your vehicle already has a factory rear camera. (The Lockpick will not respond if 1 and 2 are down at the same time)
2. Place 2 Down if you wish to restore the vehicle screen to its original programming and remove the Lockpick. (The Lockpick will not respond if 1 and 2 are down at the same time)
3. Place 3 Down if you will be installing a front camera or wish to enable the video 1 input on the Lockpick module.
4. Place 4 Down if you will be installing a second reverse camera/baby camera or other video input and will be using the video 2 input on the Lockpick module.
5. Place 5 Down to disable override features for factory A/V input and navigation input in motion.



Vehicle Select

- Place Rotary switch in position “0” for Edge, Explorer, Flex, MKX, F150, Escape, Taurus, etc.
- Place Rotary switch in position “1” for C-Max vehicle installations. Also place switch 11 down on communication switches for C-Max
- Place Rotary switch in position “2” for Ford Fusion vehicle installations
- Place Rotary switch in position “3” for Ford Focus vehicle installations

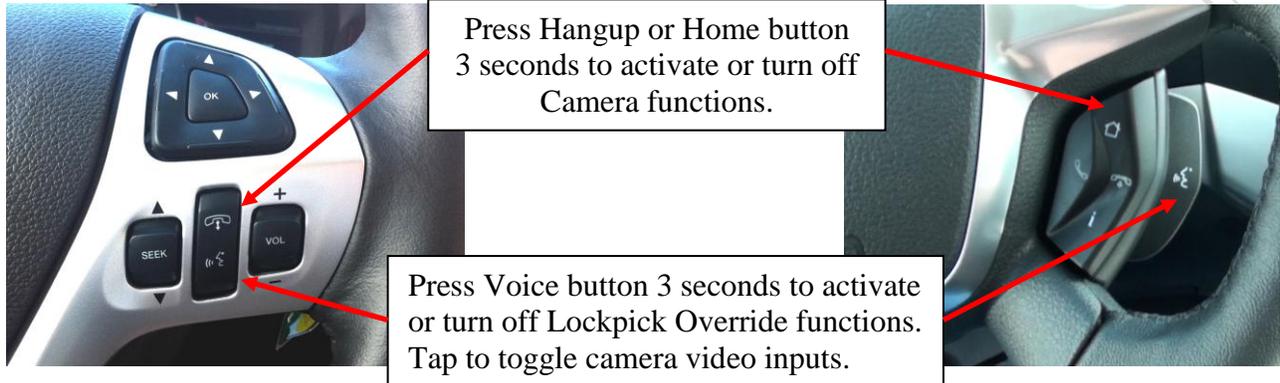
Important!!!

- 1. Because the screen was unplugged for the Lockpick installation, when the vehicle is powered on for the first time, the screen will go through a startup reboot. It will appear as a BLACK screen for as long as 30 seconds before it restarts with a system updating message. A progress graph will then display and when it gets to the end, it will appear to hang for a few seconds. Then the standard radio views will return with normal operations.**
- 2. Also, if you manipulate the option switches 1 or 2 to add or remove camera functionality to the MyFord Touch system while the radio is ON, the Screen will go BLACK as it is being updated by the Lockpick, and then it will follow the sequence above in Step 1. The process will take up to 30 seconds during which time the screen will be completely black at times. This is normal.**
- 3. If a camera is activated but no video is plugged into the Lockpick module, the radio screen will pause for a few seconds as it waits for video and then display an error message to service the camera. Turn off the camera function using the Lockpick steering wheel buttons and insure that you have something plugged in to the correct video input on the Lockpick module for the camera you are activating.**

OPERATION

The Lockpick is designed to operate in all MyFord / MyLincoln Touch systems. The layout of the steering wheel buttons will differ between vehicles as well as the activation of certain features for Lockpick options. Refer to the explanations below:

Steering Wheel Button Layouts Rotary Switch "0" Applications



Edge, Explorer, Flex, MKX, F150, Escape, Taurus

1. **Press the Hangup or Home button on your steering wheel and** hold it for 3 seconds to activate and turn On your factory or aftermarket cameras. Press and hold it again for 3 seconds, to turn the camera back Off. The Lockpick will send a beep through your radio system to acknowledge when the camera function is turned On and two beeps when it is turned Off.
2. **Press the VOICE button on your steering wheel and** hold it for 3 seconds to activate the Lockpick Override functions. This will fully activate the factory A/V jacks in your console plus navigation input functions. Press the Voice button and hold for 3 seconds to turn the override Off. The Lockpick will send a beep through your radio system to acknowledge when it is turned On and two beeps when it is turned Off.

Special Camera/Video Options

A. Your Lockpick Module has 3 video inputs which you can use to display camera or other video on your factory screen. The Rear camera video input is located and labeled on the Lockpick harness and the other 2 video inputs are located on the Lockpick module. **Option Switch 3 must be turned ON to activate the Video 1 input and Option Switch 4 must be turned to activate the Video 2 input.** After you press the Hangup button for 3 seconds the Lockpick will activate and allow you to view the factory rear view camera or the aftermarket video connected to the Rear Cam video input located and labeled on the Lockpick harness. **You may toggle through the video inputs on your Lockpick module by tapping the Voice button on your steering wheel while any camera or video source is activated.** If you activate a camera or Lockpick video input but you have nothing plugged in, your screen will recognize the blank view as an error and will show an error message overlaid. Tap quickly past any unused video sources to avoid the error message or insure that the option switch for unused video inputs are turned off. To turn off the camera function, press and hold the Hangup button on your steering wheel for 3 seconds.

B. Automatic Front Camera - The Lockpick can be configured to automatically display the video from a front camera whenever the vehicle is traveling less than 7 mph. This is very convenient for parking etc. To activate the automatic front camera option:

- 1.) Connect a front camera and plug it into the Lockpick module in the Front camera video 1 input location. Make sure the front camera is powered by the Lockpick using the Red/Black stripe 12 volt power wire provided on the Lockpick harness.
- 2.) Place the vehicle into Drive and turn on the front camera manually, (press Hangup button for 3 seconds, toggle to the front camera with the Voice button).
- 3.) Next, press and hold the Voice button for 8 seconds.

The Lockpick will acknowledge the option setting with a beep. With the front camera option enabled, the front camera video will display when the vehicle is travelling less than 7 mph, and then will turn off automatically as the vehicle accelerates past 7 mph.

If you are stopped etc., and want to temporarily turn off the front camera view, press the Hangup button for 3 seconds. This will return the screen to the standard radio view. The front camera will remain off until the vehicle speeds up above 7 mph and then returns back below 7mph again.

To turn off the automatic front camera option completely, and return to standard Lockpick operation, Repeat the activation process, (car in Drive, Front camera On, Press and hold Hangup button for 8 seconds)

C. Automatic Turn Cameras - The Lockpick can be configured to automatically display video from side mounted cameras whenever the corresponding turn signal is selected. To activate the automatic turn signal option:

- 1.) Connect your turn signal cameras to the Lockpick module, left to the Video 1 input and right to the video 2 input. Make sure that your cameras are powered by the Lockpick camera power outputs.
- 2.) Manually turn on one of the side cameras (press Hangup button for 3 seconds and toggle to the left or right cam with the Voice Button).
- 3.) Next, turn on the vehicles' turn signal. 4.) Press and hold the Voice button for 8 seconds. The Lockpick will acknowledge the option with a beep.

With the turn signal option enabled, whenever a turn signal is used, the Lockpick will display the camera video. It will return the screen to standard radio views when the turn signal is turned off.

To turn off the automatic turn signal camera option and return to standard Lockpick operation, Repeat the activation process, (Camera manually activated, Turn signal On, Press and hold the Hangup button for 8 seconds).

D. Automatic Rear Camera temporarily disabled - If you wish the factory or aftermarket Rear Camera to stop displaying while the vehicle is in Reverse gear, the Lockpick makes that possible.

- 1.) Place the vehicle in Neutral Gear.
- 2.) Press and hold the Hangup button for 10 seconds.

The Lockpick will acknowledge with a beep. While this function is enabled, the rear camera will no longer turn on while the vehicle is in Reverse gear. If you wish to return to standard rear cam operation, Repeat the process, (vehicle in Neutral, press and hold Hangup button for 10 seconds).

E. Alternate Rear Camera - The Lockpick can be configured to display a different camera other than the factory or aftermarket rear cam when the vehicle is placed in reverse. This function allows the user to designate a different view while in reverse. For example, when the vehicle is pulling a large trailer, the driver sees only the front of the trailer while in reverse. Instead, the user can mount a second camera on the rear of the trailer and select it for automatic viewing while in reverse gear. To activate the Alternate Rear Camera function:

- 1.) Place the vehicle in Reverse gear.
- 2.) Press and hold the Hangup button for 10 seconds.

The Lockpick will acknowledge with a beep and the screen view will change from the rear camera view, to the camera video connected to the Video 2 (Aux) video input on the module. If you wish to return to standard rear cam operation, Repeat the process, (vehicle in Reverse, press and hold Hangup button for 10 seconds).

.



Steering Wheel Button Layouts
Rotary Switch "1, 2 and 3" Applications



C-Max



Fusion

Use the Voice Button for activation of all functions.



Focus

1. **Activate the VOICE button on your steering wheel** and hold it for 3 seconds to turn on the Lockpick Override functions. This will fully enable the factory A/V jacks in your console plus navigation input functions. Activate the Voice button and hold for 3 seconds to turn the override Off. The Lockpick will send a beep through your radio system to acknowledge when it is turned On and two beeps when it is turned Off.
2. **Activate the VOICE button on your steering wheel and** hold it for 5 seconds to turn On your factory or aftermarket cameras. Activate it again for 5 seconds, to turn the camera back Off. The Lockpick will send a beep through your radio system to acknowledge when the camera function is turned On and two beeps when it is turned Off.

Special Camera/Video Options

A. Your Lockpick Module has 3 video inputs which you can use to display camera or other video on your factory screen. The Rear camera video input is located and labeled on the Lockpick harness and the other 2 video inputs are located on the Lockpick module. **Option Switch 3 must be turned ON to**

activate the Video 1 input and/or Option Switch 4 must be turned to activate the Video 2 input on your module. After you activate the VOICE button for 5 seconds the Lockpick will allow you to view the factory rear view camera or the aftermarket video connected to the Rear Cam video input located and labeled on the Lockpick harness. **You may toggle through the video inputs on your Lockpick module by tapping the VOICE button on your steering wheel while any camera or video source is activated.** If you activate a camera or Lockpick video input but you have nothing plugged in, your screen will recognize the blank view as an error and will show an error message overlaid. Tap quickly past any unused video sources to avoid the error message or insure that the option switch for unused video inputs is turned off. To turn off the camera function, activate the VOICE button on your steering wheel for 5 seconds.

B. Automatic Front Camera - The Lockpick can be configured to automatically display the video from a front camera whenever the vehicle is traveling less than 7 mph. This is very convenient for parking etc.. To activate the automatic front camera option:

- 1.) Connect a front camera and plug it into the Lockpick module in the Front camera video 1 input location. Make sure the front camera is powered by the Lockpick using the Red/Black stripe 12 volt power wire provided on the Lockpick harness.
- 2.) Place the vehicle into NEUTRAL and turn on the front camera manually, (press VOICE button for 5 seconds, toggle to the front camera with a tap of the Voice button).
- 3.) Press and hold the VOICE button for 10 seconds. The Lockpick will acknowledge the option setting with a beep.

With the front camera option enabled, the front camera video will display when the vehicle is travelling less than 7 mph, and then will turn off automatically as the vehicle accelerates past 7 mph. **If you are stopped etc., and want to temporarily turn off the front camera view,** press the VOICE button for 5 seconds. This will return the screen to the standard radio view. The front camera will remain off until the vehicle speeds up above 7 mph and then returns back below 7mph again.

To turn off the automatic front camera option completely, and return to standard Lockpick operation, Repeat the activation process, (car in Neutral, Turn Front camera On, Press and hold VOICE button for 10 seconds)

C. Automatic Turn Cameras - The Lockpick can be configured to automatically display video from side mounted cameras whenever the corresponding turn signal is selected. To activate the automatic turn signal option:

- 1.) Connect your turn signal cameras to the Lockpick module, left to the Video 1 input and right to the video 2 input. Make sure that your cameras are powered by the Lockpick camera power outputs.
- 2.) Manually turn on one of the side cameras (press VOICE button for 5 seconds and toggle to the left or right cam with a tap on the VOICE Button).
- 3.) Next, turn on the vehicles' turn signal.
- 4.) Press and hold the VOICE button for 10 seconds while the turn signal is on. The Lockpick will acknowledge the option with a beep.

With the turn signal option enabled, whenever a turn signal is used, the Lockpick will display the camera video. It will return the screen to standard radio views when the turn signal is turned off.

To turn off the automatic turn signal camera option and return to standard Lockpick operation, Repeat the activation process, (Camera manually activated, Turn signal On, Press and hold the VOICE button for 10 seconds).

D. Automatic Rear Camera temporarily disabled - If you wish the factory or aftermarket Rear Camera to stop displaying while the vehicle is in Reverse gear, the Lockpick makes that possible.

- 1.) Place the vehicle in REVERSE Gear.
- 2.) Press and hold the VOICE button for 10 seconds.

The Lockpick will acknowledge with a beep. While this function is enabled, the rear camera will no longer turn on while the vehicle is in Reverse gear. If you wish to return to standard rear cam operation, Repeat the process, (vehicle in Neutral, press and hold VOICE button for 10 seconds).

USB UPDATING



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

Your Lockpick interface includes the ability to be updated via a USB connection to a PC. Included with your interface is a cable designed to plug into the mini USB jack on the Lockpick module and connect it to the standard USB jack on a laptop computer. A software program is available for download and installation on our website at www.coastaletech.com/usbupdate.htm 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 an update becomes available, 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™ !!

Available accessories to make your camera installation easy



MINICAM 221 Color Camera
Digital Distance Markings
Standard or Mirror Image
(front or rear)
Waterproof
21' Power and Video cable



BARCAM 221 Color Camera
Digital Distance Markings
Standard or Mirror Image
(front or rear)
Night Vision Illumination
Waterproof
21' Power and Video cable