



# **GPS Lockbox Locking Cradle w/ PTT Handsfree Kit For Sonim XP5s**

## **Installation/User Guide**

## CONTACT INFORMATION

If you should have any problems with your system, please call us.  
For sales, service and technical support, please contact us at:

### ADDRESS :

GPS Lockbox Service Center  
7000 Franklin Blvd., Ste 575  
Sacramento, CA 95823

### PHONE :

(866) 824-4023 Toll Free  
M-F 8:00am to 5:00pm PST

### EMAIL:

For Service & Technical support: [service@gpslockbox.com](mailto:service@gpslockbox.com)

## WARRANTY

### TWO-YEAR LIMITED WARRANTY.

GPS LOCKBOX warrants to the original end user purchaser (“You”) that the product shall be free of defects in materials and workmanship under normal use for two (2) years from the original date of purchase (the “Warranty Period”). THESE WARRANTIES ARE EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND ANY WARRANTIES ARISING FROM COURSE OF PERFORMANCE, COURSE OF DEALING OR TRADE USAGE.

GPS LOCKBOX’s exclusive liability and Your exclusive remedy hereunder is expressly limited to, at GPS LOCKBOX’s sole option and discretion, the exchange, repair or replacement of defective or non-conforming materials, parts, or components without charge for either parts or labor, and to whatever extent it shall deem necessary to the restoration of the product or components to proper operating condition. Any replacement shall consist of a new or re-manufactured functionally equivalent product of equal value, and will be solely at the discretion of GPS LOCKBOX.

## SERVICE

We want you to be completely satisfied with your PTT kits. If you have problems with any of your system, please follow the trouble shooting guide at the end of this manual first. If your system is still not working properly, please contact our technical support at (866) 824-4023 (M-F 8:00am to 5:00pm PST). While under the warranty period, once we have determined the issue, we will send you advance replacement part(s) for your system so that you do not have to send us defective parts first. A return shipping label will be included with the advance replacement part(s) to return the defective part(s).

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## COMPLIANCE AND SAFETY INFORMATION

Please read and follow these simple safety guidelines. Failure to follow these safety rules can result in serious injury or death.



### WARNING!

#### VEHICLES EQUIPPED WITH AIR BAGS

An air bag inflates with great force. DO NOT place objects, including communications equipment, in the area over the air bag or in the air bag deployment area. If the communication equipment is improperly installed and the air bag inflates, this could cause serious injury.

It is recommended that the installation of the vehicle communication equipment be performed by a professional installer/technician trained in the requirements for such installations. An air bag's size, shape and deployment area can vary by vehicle make, model and front compartment configuration (for example, bench seat vs. bucket seats). Contact the vehicle manufacturer's corporate headquarters if necessary, for specific air bag information for the vehicle make, model and front compartment configuration involved in your communication equipment installation.

### ADDITIONAL PRECAUTIONS:



#### SERVICE ONLY BY GPS LOCKBOX

There are no user-serviceable components in this system. Contact Comvergics for all service or repair needs.



#### OPERATE SYSTEM PROPERLY

Use this system safely and within its operating guidelines. Contact GPS Lockbox if you have safety or usage questions.



#### USE COMPATIBLE COMPONENTS

Use only GPS Lockbox approved equipment and accessories



#### KEEP SYSTEM DRY

The system is not water resistant. Keep system indoors, away from rain, water spray or high humidity.



#### SWITCH OFF WHEN REFUELING

Do not use system near fuel or chemicals. This equipment is not spark, static or electric discharge resistant.

Thank you for purchasing a GPS Lockbox Push-To-Talk Car Speaker Kit. Please read and follow all safety and installation instructions. If you should have any problems or need technical assistance with your system, please contact us at (866) 824-4023 Monday thru Friday between 8:00am and 5:00pm PST.

## KIT CONTENTS

Unpack and inspect each component. You should have all of the items shown below:

### 1. Pre-assembled Car Kit including:

- Amplifier
- Speaker
- GPS Lockbox Locking Cradle
- Pedestal Mount
- Amplifier/Speaker Mounting Bracket

### 2. Palm Microphone with clip

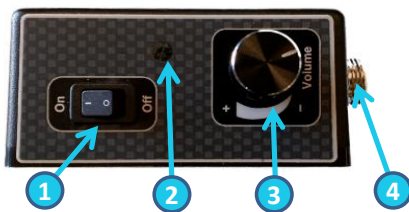
### 3. Power Supply Package:

- Amplifier hardwire power cable w/ 5.5mm X 2.5MM DC plug
- USB Charger hardwire kit

### 4. Additional Items included: 3.5MM Headset Adapter, Parts Kit, User Guide

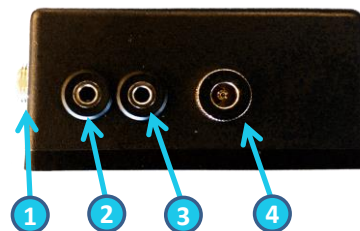
Please call the GPS Lockbox Service Center at (866) 824-4023 to report any items that are missing or damaged.

## AMPLIFIER PANEL DESCRIPTION



### FRONT PANEL

1. On/Off Switch
2. Power Status LED
3. Volume Control
4. Palm Microphone Connector



### BACK PANEL

1. Palm Microphone Connector
2. Audio Cable (3.5mm TRRS Jack – connects to Phone)
3. Speaker (3.5mm Mono Jack)
4. D/C Power Jack (5.5mm X 2.5mm)

## INSTALLING GPS LOCKBOX PTT CAR KIT

Your Push-To-Talk Car Kit contains everything you should need for most basic installations; however, due to different vehicle types and installation configurations, you may need to obtain additional or different terminal connectors, wire ties or plastic wire loom for your installation.

With proper installation your PTT Car kit will provide trouble free operation. Keep the following in mind while installing your PTT Speaker Kit:

- ✓ Ensure that cables are not stressed or pulled too tight
- ✓ Ensure proper positive (+) and negative (-) connections
- ✓ Crimp all wire connectors properly and securely
- ✓ Dress cables over sharp edges (i.e. use grommets or wire loom) to prevent tearing or wear of wire insulation.
- ✓ Conceal and secure wires and cables whenever possible to prevent snagging or damaging cables during use or impairing driver's operation of the vehicle.

### Step A: MOUNT AMPLIFIER / CRADLE

1. Find a suitable location to mount the system. Some considerations to follow are:
  - Do not mount where it may obstruct airbag deployment
  - Avoid mounting system where it will always be in direct sunlight if possible
  - Do not mount where it will be exposed to rain or snow
  - Box should be close enough for driver to reach volume control if needed and so that driver can easily use palm microphone. The palm microphone cable extends approximately 4' without stretching or stressing the cable.
  - Speaker may be removed from bracket and located separately if desired (speaker cable is 6')
2. After determining best position, remove the base plate from the pedestal post of the unit and mount the base plate in the desired location using self-tapping screws or machine screws with nylon locking nuts (Longer/Shorter pedestals are available).
  - If mounting to metal or thick plastic – suggest self-tapping screws (included)
  - If mounting to thin plastic – suggest machine screws with washers and nylon locking nuts (not included)
3. Re-attach main unit to pedestal base and adjust to desired position.

### STEP B: INSTALL D/C POWER CABLE (AMPLIFIER POWER)

1. Determine your terminal locations to connect to the vehicle's power system. The amplifier unit may be connected so that it has power at all times or only when the accessory switch/ignition is ON.
  - a) If you wish for the amplifier to be able to operate even when the vehicle or accessory switch is off, locate a supply terminal that provides positive (+) when the vehicle's accessory switch is off (i.e. key out of ignition).

**Note:** if you connect the amplifier unit so that it has power at all times, you will need to turn the amplifier ON or OFF using the power switch on the amplifier box. Failure to turn the unit off

will result in excess drain on your vehicle's battery. Extended periods could result in a low battery and inability to start your vehicle.

- b) If you wish for the amplifier to operate only when the accessory/ignition is on, locate a terminal that provides positive (+) only when the vehicle accessory switch is in the ON position.
2. Route the power cable from the amplifier unit to the location of the Positive (+) terminal that you located in the previous step. Make sure you leave sufficient cable length to easily plug the DC connector into the amplifier.
    - a) Route the BLACK lead of the power cable to a convenient chassis ground (-) or ground terminal.
      - o Cut the BLACK lead to the desired length.
      - o Crimp an appropriate connector to the end of the wire and secure to the negative ground (-) location. Make sure the ground connection is to bare/clean metal.
      - o **DO NOT** connect the black lead directly to the negative (-) terminal. Connect only to vehicle chassis or electrical panel grounding lug.
    - b) Route the RED lead to the location of the positive (+) terminal you determined in step #1.
      - o Cut the RED lead to the desired length if needed. Connect the fuse holder with the appropriate connector.
      - o Crimp an appropriate connector to the other end of the fuse holder and secure to the Positive (+) terminal location. Insert 3A fuse.
  3. Secure all loose wires under dash.
    - a) Secure all loose wires, making sure cables cannot fall under dash and impair driver's operation of the vehicle.
  4. Make sure amplifier power switch is in the "OFF" position. Insert DC plug into the connector on the back of the amplifier until it is fully seated.

### STEP C: INSTALL USB POWER REGULATOR (PHONE CHARGER)

The USB power regulator is for charging your device while it is in the cradle. The charger is equipped with an ignition sense and will shut off one hour after the vehicle is turned off so it will not discharge the vehicle's battery when the vehicle is off for long durations of time.

1. Connect the black (ground) wire to the metal body of the vehicle with a self-tapping screw. Alternatively, you may use an existing, grounded screw or bolt (if available).
2. Connect the red wire to a constant, hot, 12+ volt DC power source. A fuse tap (optional) allows easy wiring to the fuse box.
3. Connect the white wire to a 12-volt power source that is tied to ignition. A fuse tap (optional) allows easy wiring to the fuse box.
4. Route the phone's charging cable from the cradle to the USB connection of the USB regulator. Make sure to route the USB end of the cable through the notch in the bottom of the GPS Lockbox cradle first.
5. Secure all loose wires, making sure cables can't fall under dash and impair driver's operation of the vehicle.
  - a) We suggest either taping the USB connection or making sure it is wire tied together to prevent it from coming loose over time.

## STEP D: INSTALL PALM MICROPHONE

1. The Palm Microphone includes a mounting clip so that it can be mounted where the driver can easily reach it. Find a suitable location to mount the palm microphone clip. Some considerations to follow are:
  - Mount the clip in a location where the driver can easily reach the microphone and lift it from the clip without the need to lean out of the seat.
  - The microphone has a coiled cable to help prevent snagging. Make sure the mounting location provides for the microphone cable to be completely out of the way of the drivers legs or away from any controls.
2. Use the microphone mount clip as a template to mark and drill screw holes as needed to mount clip. Secure clip using the included screws.
3. Attach the microphone cable to the microphone connector on the end of the amplifier box. There is a notch on the side of the cable connector and a guide on the inside of the amplifier connector. Make sure these are aligned and that the connector is fully seated. Tighten the locking collar on the connector (finger tighten only).
4. Hang the palm microphone in the mounting clip.

**IMPORTANT:** Make sure the hanging coiled cable will not interfere with the driver's legs or any of the vehicle's controls.

## STEP E: INSTALL PHONE IN GPS LOCKBOX CRADLE

1. Connect the 3.5mm audio adapter to side of phone.
2. Tilt the lower cup of the cradle outward and set phone into cradle cup.
3. Firmly grasp the top and the bottom of the cradle, then pull the lower section of the cradle down while tilting the top of the phone inward so that it slips under the top edge of the cradle. Let the bottom of the cradle slide upward until secure.
4. Route the audio cable from the amplifier connection marked "Phone" then plug the other end into the audio jack on the adapted. Make sure the connector snaps in securely and are fully seated.
5. Secure all loose cable behind the cradle using the cable retainers.

## PROGRAMMING PHONES

Your Push-To-Talk Speaker system should now be completely installed. Before checking operation please check all wiring and cables to make sure they are secure and will not impede the driver's operation of the vehicle or are in a location where they can get snagged or damaged during operation of the vehicle.

For optimum operation you will need to adjust some of the settings on your phone before using your system.

### Step A: SET PHONE VOLUMES TO MAXIMUM

1. You will be able to adjust the external speaker volume using the volume control on the amplifier; however, the phone volume will also adjust the external speaker volume. It is best to adjust the phone's volumes to maximum.



- a) Select MENU>SETTINGS>SOUND>VOLUMES.
- b) Go through each volume option and set to maximum volume level.
- c) Select “back” until you’re back to the main screen.
- d) Initiate a call so that you can turn the phones headset volume to maximum using the volume controls on the side of the phone.

## Step B: SET “ONE TOUCH DC”

To allow the driver to simply pick-up the microphone, press the button and talk to a specific number (i.e. dispatch, a group, or the last call, you need to set the “one Touch DC” settings for a primary DC number.

One Touch DC will help make it easier for the driver so that they do not need to scroll through a contact list while driving. The driver can still connect with other DC members if needed; however they will need to use the phone’s keypad to access the contact list and select a member to call.

To set a “one Touch” DC number:

- a) Select MENU>AT&T EPTT>SETTINGS BUTTON>SETTINGS>ONE TOUCH PTT
- b) Set one of the following options: “Call History” , “Contacts” , “Groups” , “Favorites” , “Dial Particular Contact or Group” , “Last Call”
- c) Set the number or group as required for the option you select, Then press “OK”
- d) Select “WHEN SCREEN OFF”
- e) Set to “Enable”, Then press “OK”
- f) Press “Back” until you are back to the main screen

## TESTING & OPERATION

Your system should now be ready to go. Use the following steps to test your system:

1. Turn the amplifier “On” using the switch on the face of the amplifier. Make sure your vehicle’s accessory switch is on if you have connected the amplifier to “Accessory”. The blue LED on the face of the amplifier should be lit if the amplifier is on and properly connected.
2. Make sure the volume control on the amplifier is turned all the way up. Turn clockwise to increase and counterclockwise to decrease.
3. Turn your phone on. You should hear the phone’s power up music/ringtone or beeps as you scroll through phone’s menu through the external speaker.
4. Test making a DC call.
  - a. Using the palm microphone, press and hold the mic key (the microphone key operates in the same way as the PTT button on your phone; push and hold to talk, release to listen).
    - If you have set your phone to “One Touch DC” this should launch your DC call.
    - If you set your phone for options other than “One touch DC”, you will need to press the mic key again to initiate the call after you have selected the contact.



## TROUBLESHOOTING GUIDE

Contact GPS Lockbox at (866) 824-4024 if you are unable to find a suitable answer in this section or the problem persists.

Problem	Possible Solutions
<b>System Won't Turn On</b>	
If Power LED is On	<ul style="list-style-type: none"> <li>There is power to the system – Go to “No Sound” below</li> </ul>
If Power LED is Off	<ul style="list-style-type: none"> <li>Check amplifier power switch is in the “On” position</li> <li>Check that DC connector at back of amplifier box is plugged in and secure</li> <li>If Power source wired to an accessory terminal, make sure vehicle ACC or ignition is on</li> <li>Check that the ground and positive lead are connected and secure at the power source.</li> <li>Check Fuse – If bad, replace with 5A fuse</li> </ul>
<b>No Sound</b>	
IF Power LED is Off	<ul style="list-style-type: none"> <li>Turn power on or see “System Won't Turn On” above</li> </ul>
IF Power LED is ON	<ul style="list-style-type: none"> <li>Make sure the 3.5mm jack to speaker on back of amplifier box is plugged in and secure.</li> <li>Make sure the Audio cable to your phone is plugged in and secure. You should feel a light snap when it seats in your device.</li> <li>Check that the volume on the amplifier box is turned all the way up.</li> <li>Check that the volumes in your phone settings are turned all the way up.</li> </ul>
<b>Nothing Happens When Palm Microphone Button Pushed</b>	
Is Phone Turned On?	<ul style="list-style-type: none"> <li>No – Turn on Phone – Phone must be set for DC calls</li> </ul>
Phone is On	<ul style="list-style-type: none"> <li>Make sure the audio cable to your phone is plugged in and secure. You should feel a light snap when it seats in your device.</li> <li>Check Phone programming and make sure device is in “headset Mode” and button initiates a DC call.</li> </ul>

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