



User Manual



Carbonado Smart PTT case for iPhone

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General Information

Welcome to the world of Carbonado Smart phone accessories. This smart accessory works as a add-on protection along with PTT features, the device has a feature-rich user interface, which allows you to make the best use of the available functions on your Carbonado smart PTT case.

With iPhone taking high resolution pictures, browsing the web at full speed, using the phone to make PTT calls and the possibilities of this phone are almost endless. That's where this 1500 mAh Extended Battery Smart PTT case along with smart features will come in handy. Over the years, smart phones have increased in power and functionality. Connecting this Bluetooth Smart PTT case to your iPhone you'll have more features than your actual iPhone.

Designed specifically for the iPhone, this Extended Bluetooth Smart PTT case provides a perfect fit and flawless compatibility. Cut-outs are available for the camera, Flash light, speaker, microphone, ear phone jack and side buttons, so you can still utilize the full functionality of your phone without having to take it out of the case. Easily recharge your Battery Pack through the Micro USB charger port available on to the right side of the Carbonado smart PTT case.

Model Covered

This user manual covers the Bluetooth Smart PTT case for only iPhone-4/4s model.

Network Services

This Carbonado smart accessory is equipped internally with Bluetooth and smart feature for PoC services along with Cellular/Wi-Fi network.

Carbonado Smart PTT case Support Information

For online support information of your Carbonado Smart PTT case, contact us at : carbonadosmartpttcase_support@kodiaknetworks.com.

Safety Guidelines

Please read and understand the following safety guidelines before you use the Carbonado smart PTT case. These guidelines provide details to enable you in operating your smart PTT case safely and conform to any legal requirements regarding the use of Carbonado smart PTT case.

Disposal of Stale Electrical and Electronic Equipment



The symbol of the crossed-out wheeled bin indicates that within the country of the United states of America, this product, and any enhancements marked with this symbol, cannot be disposed as unsorted waste but must be taken to separate collection at their end-of-life.

Disposal of Battery



Please check local regulations for disposal of batteries. The battery should never be placed in municipal waste. Use a battery disposal facility if available.

Guideline for Headphone and Earphone



To prevent possible hearing damage, please do not listen at high volume levels for long periods.

Warning!



Avoid actions that could cause injury to yourself or others

Caution



Avoid usage of the device in situations that could cause damage to your device or other equipments

Precautions to Use the Battery

A rechargeable battery powers your Carbonado smart accessory. Use the battery only for its intended purpose. Never use any charger that is damaged. If the battery of the accessory is completely discharged, it may take a few seconds before the charging indicator to appear on the display or before any calls can be made. The full performance of a battery is achieved only after three to four complete charge and discharge cycles. Unplug the charger from the electrical plug and the device when not in use. Ensure that you do not leave the fully charged battery connected to a charger. If left unused, a fully charged battery will lose its charge over time.

Battery Replacement

The Carbonado Smart PTT case has a Battery molded into the PTT case which cannot be replaced.

Child Safety

Do not allow children to use your mobile phone or its accessories. Keep it out of their reach. They could hurt themselves or others, or could accidentally damage the mobile phone or accessories. Your mobile phone and its accessories may contain small parts, which could be detached and create a choking hazard for your child.

Getting Started

The following topics will give you all the information needed to set up your Carbonado smart PTT case for the first time.

Setting up your Carbonado Smart PTT case

Refer to the following sections to insert and charge the Carbonado Smart PTT case.

Inserting the Carbonado Smart PTT case

Complete the following steps to insert your Carbonado Smart Accessory onto your iPhone.

1. The iPhone smart accessory is as shown in the picture beside, insert the smart iPhone cover on to your phone,
2. While inserting your phone inside the cover make sure the 30 pin dock connector port of the smart cover is aligned along with the dock connector port of your phone.



Charging the Carbonado Smart PTT case Battery

Your Carbonado smart case accessory comes with an inbuilt battery which connects to your iPhone through a Dock connector port/Charging port on your phone. The battery provided along with your Carbonado smart accessory does not come fully charged. We recommend that you charge the accessory at least for five hours before you use it for the first time.

Note: *With a fully charged battery, the smart PTT case can remain in standby mode for longer duration. If the battery is completely out of charge, the charging LED appears only after some seconds when the charger is connected.*

Note: *Plugging the accessory into Power outlet/USB charger will charge the iPhone & Carbonado smart PTT case's battery simultaneously.*

Note: *When not connected to Power outlet/USB charger, user may have to press and hold the Battery level indication button for 5 sec to charge the iPhone battery from Carbonado smart PTT case battery.*

Complete the following steps to charge the battery of the accessory.

1. Plug the charger into a power outlet.
2. The charger port is located at the right side of accessory. Insert the 30 pin dock connector into the port and insert the other end of the USB cable into the charger.

Alternatively, you can charge the accessory with your PC. Insert the Micro USB connector into the charging port of the accessory and insert the other end of the cable into a USB port on your Laptop/Desktop.

3. If the battery is being charged when the phone is switched off, only the battery LED is displayed on the smart cover accessory.

If the battery is being charged while the phone is switched on, you will notice that the bars in the battery charge icon (visible on the home screen of your phone) show movement indicating that the battery is being charged. The smart PTT case LED also turns green indicating the battery of the Carbonado smart PTT case also being charged. After the phone is fully charged, the battery bars on the display stop scrolling. At this point, you can disconnect the phone from the charger.



Device Specifications

The following table displays the Device Specification of Carbonado Smart PTT case:

Frequency	2402 ~ 2480 MHz
Enhanced Push to Talk Button	Yes
Bluetooth	V3.0
Connectivity Ports	Dock Pin / Micro USB
Hardware & Software Version	V2.0
Operating Temperature	-20°C ~ +55°C
Operating Voltage	3.4V ~ 4.2V
RF Power	4 ~ 10 dBm for class 1.5 operation
Modulation Type	FHSS
Total Channel Number	79
Channel Space	1 MHz

Basics of your Carbonado Smart PTT case

Your phone comes with features that simplify your life and expand your ability to stay connected to the people as well as information that are important to you. Refer to the following sections to understand the basic functions and features of your phone.

Carbonado Smart PTT case Layout

The Carbonado Smart PTT case comes with a inbuilt battery, external PTT button, Bluetooth speaker and an additional battery indicator for the smart PTT case. The left side of the phone has four buttons, one for PTT application, one for the Power On/Off for switching on the functionalities of your smart Bluetooth enabled PTT case, the other two are meant for scrolling the page up/down. The top of the PTT case has Red button used to terminate the calls. The Bluetooth speaker is located at the back side of the phone. For more information refer to the following sections.

Carbonado Smart PTT case Front Layout

The following image provides the details of the front layout of your Carbonado smart PTT case.



Carbonado Smart PTT case Back Layout

The following image provides the details of the layout at the back of your Carbonado smart PTT case.



Carbonado Smart PTT case Right profile Layout

The following image provides the details of the layout at the Right side of your Carbonado smart PTT case.



Carbonado Smart PTT case Left profile Layout

The following image provides the details of the layout at the Left side of your Carbonado smart PTT case.



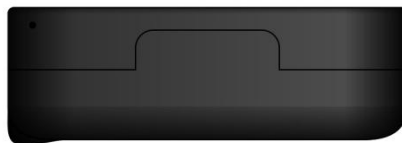
Carbonado Smart PTT case Top

The following image provides the details of the Top of your Carbonado smart PTT case.













Carbonado Smart PTT case Bottom

The following image provides the details of the Bottom of your Carbonado smart PTT case.



Key Function

The following table displays the various keys/buttons and the corresponding function they perform:

Keys/Buttons	Description
Scroll Up 	To move up the Contacts/Groups list
Scroll Down 	To move down the Contacts/Groups list
Carbonado Smart PTT case Battery level Indicator 	<ul style="list-style-type: none"> Press and hold the button for 2 sec indicates the Battery level of the Carbonado smart PTT case Press and hold the button for 5 sec will start/stop charging the Carbonado smart PTT case
Carbonado smart PTT case Volume Up/Down 	To change the volume of the Carbonado smart PTT case speaker
Side PTT button 	<ul style="list-style-type: none"> To launch PTT application PTT floor control
iPhone Volume Up/Down 	To increase or decrease volume of your iPhone device
RED Button 	To disconnect the Cellular/ PTT call
Carbonado smart PTT case Power Switch 	Power button for the Carbonado smart PTT case
Ear Phone Jack 	To insert Ear Phone pin
Charger Port 	Micro USB charger port

Connectivity and Calling

Inserting of Carbonado smart PTT case

While inserting Carbonado smart PTT case over your iPhone, care should be taken to align the micro USB port of the PTT case with that of the iPhone device, this is required because the charging USB port of the PTT case will also be used to charge your iPhone simultaneously.

Note: Plugging the accessory into Power outlet/USB charger, will charge the iPhone device & the smart PTT case's battery simultaneously.

Note: When not connected to Power outlet/USB charger, user has to press and hold the Battery level indication button for 5 sec to charge from smart PTT case's battery to iPhone battery.

Bluetooth Connectivity

The Carbonado smart PTT case is wirelessly connected to your iPhone device through Bluetooth, thus the Carbonado smart PTT case also has a rechargeable battery which is molded into the plastic case of the cover.

Bluetooth pairing of Carbonado smart PTT case with iPhone device

Follow the instructions to pair your Carbonado smart PTT case Bluetooth with your iPhone device:

1. Power OFF the smart PTT case (Blue LED blinking indicates the power of smart PTT case being switched OFF).
2. Press & Hold the smart PTT case's power switch for 5 sec. The smart PTT case will enter in to pairing state. This is indicated by smart PTT case's indication LED.
3. Now, enable Bluetooth on your iPhone mobile device & scan for available Bluetooth devices.
4. You can find the new Carbonado smart PTT case with name "**RTKI4CO**".
5. Select the device and get paired.

When to perform Bluetooth connection

You will have to reconnect to Carbonado smart PTT case during the following scenarios:

1. Whenever you restart your iPhone device.
2. Whenever you disable & then enable again the Bluetooth on your iPhone device.
3. Whenever you disconnect only the Carbonado smart PTT case using the Bluetooth shortcut on your mobile.
4. Whenever you confirm disconnection of the connected Carbonado smart PTT case from the Bluetooth settings screen.

In all the above mentioned cases, user has to manually connect the iPhone device with the smart PTT case.

Note: If Carbonado smart PTT case is powered ON and not connected to any device for more than 5 minutes. The smart PTT case will enter the power save mode & user has to power ON the Carbonado smart PTT case again and try connecting.

Smart PTT case Volume Up/Down

Apart from the iPhone device speaker the PTT case also has a speaker which will be used for PTT application, which basically uses Bluetooth transmission from the iPhone device to the Carbonado smart PTT case thus you can control the volume of the speaker using the smart PTT case volume buttons.

PTT Calling to Individuals and Groups

Instead of using the soft PTT icon on the iPhone screen you can also use the side PTT button available on the Carbonado smart PTT case for PTT application.

Note: Pressing the side PTT button once on Carbonado smart PTT case, whenever your PTT application will Login/Activate/Start for the first time on the iPhone, will establish connection with the PTT client on your handset, only the second time you press the side PTT button on the PTT case will initiate the PTT application.

RED Button

Red button on top of the Carbonado smart PTT case can also be used to terminate the cellular or PTT calls apart from the on screen End call soft icon in PTT applications.

Behavior of Side PTT button and RED Button on Carbonado smart PTT case for different Call scenarios

Call Scenario	Side PTT button	RED button
Incoming Cellular call	Press the side PTT button to answer the cellular call	Press the RED button to reject/terminate the cellular call
Incoming PTT call	Press the side PTT button to receive the PTT call / take the floor and speak	Press the RED button to reject/terminate the PTT call
Outgoing Cellular call	Side PTT button not supported for this action	Press the RED button to cancel the cellular call
Outgoing PTT call	Press the side PTT button to make the PTT call / take the floor and speak	Press the RED button to reject/terminate the PTT call
Active PTT call and also incoming cellular call	Press the side PTT button to answer the cellular call	Press the RED button to reject the cellular call Pressing the RED button after answering the cellular call will not terminate the cellular call
Active PTT call and also an outgoing cellular call	Side PTT button not supported for this action	RED button not supported for this action

Table 1: Behavior of PTT and RED button for different call scenarios

Carbonado smart PTT case for iPhone

FCC Regulations

● This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference

(2) This device must accept any interference received, including interference that may cause undesired operation.

● This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF Exposure Information

This device meets the government's requirements for exposure to radio waves.

This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment.

IC Notice

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

(1) this device may not cause interference, and

(2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

IC: 11048A-I4C0