User Manual

PTT Enabled Smart cover for Samsung S3

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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

With Galaxy S3, 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 Pack along with smart features will come in handy. Over the years, smart phones have increased in power and functionality. Connecting this Bluetooth Smart Cover to your S3 you'll have more features than your actual S3 phone.

Designed specifically for the Galaxy S3, this Extended Bluetooth Smart Cover provides a perfect fit and flawless compatibility. Cut-outs are available for the camera, Flash light, speaker, microphone, headphone 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 S3 smart cover.

Model Covered

This user manual covers the Bluetooth Smart Cover for **Samsung S3** phone model.

Network Services

This S3 smart cover accessory is equipped internally with Bluetooth and smart feature for PoC services along with **Cellular/Wi-Fi network**.

S3 smart cover Support Information

For online support information, contact us at S3smartcover_support@kodiaknetworks.com.

Safety Guidelines

Please read and understand the following safety guidelines before you use the S3 smart cover. These guidelines provide details to enable you in operating your phone cover safely and conform to any legal requirements regarding the use of S3 smart cover.

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 S3 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 S3 Smart cover has a Battery molded into the cover which cannot be replaced by user. Changing S3 smart cover battery has to be done only at an authorized service center by a trained technician.

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 S3 smart cover for the first time.

Setting up your S3 Smart Cover
Refer to the following sections to insert and charge the S3 smart Cover.

Inserting the S3 Smart Cover
Complete the following steps to insert your S3 Smart Accessory onto your Samsung S3 phone.

1. The S3 smart cover accessory is as shown in the picture beside. Insert the S3 smart cover on to your phone.

2. While inserting your phone inside the cover make sure the Micro USB port of the smart cover is aligned along with the USB charging port of your phone.

Charging the S3 smart cover Battery
Your S3 smart cover accessory comes with an inbuilt battery which connects to your Samsung S3 phone through a Micro USB port/Charging port on your S3 phone. The battery provided along with your S3 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 phone cover 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 S3 device & S3 smart cover'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 S3 device battery from S3 smart cover 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 Micro USB 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 USB cable into the charger 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 S3 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 cover LED also turns green indicating the battery of the S3 smart cover 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 S3 Smart Cover:

Frequency	2402 ~ 2480 MHz
Battery	1500 mAh
Enhanced Push to Talk Button	Yes
Bluetooth	V3.0
Connectivity Ports	Dock Pin / Micro USB
Hardware & Software Version	V2.0
Operating Temperature	-20℃ ~ +55℃

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 S3 Smart Phone Cover

Your smart cover 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 S3 Smart Cover Layout

The S3 smart cover comes with a inbuilt battery, external PTT button, Bluetooth speaker and an additional battery indicator for the smart cover. 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 cover, the other two are meant for scrolling the page up/down. The top of the cover 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.

S3 smart cover Front Layout

The following image provides the details of the front layout of your S3 smart cover.

S3 smart cover Back Layout

The following image provides the details of the layout at the back of your S3 smart cover.

S3 smart cover Right profile Layout

The following image provides the details of the layout at the Right side of your S3 smart cover.

S3 smart cover Left profile Layout

The following image provides the details of the layout at the Left side of your S3 smart cover.
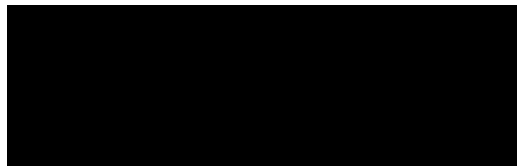
S3 smart cover Top

The following image provides the details of the Top of your S3 smart cover.

S3 smart cover Bottom

The following image provides the details of the Bottom of your S3 smart cover.

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*
S3 smart cover Battery level Indicator	• *Press and hold the button for 2 sec indicates the Battery level of the S3 smart cover* • *Press and hold the button for 5 sec will start/stop charging the S3 smart cover*
S3 Smart cover Volume Up/Down	*To change the volume of the S3 smart cover speaker*
Side PTT button	• *To launch PTT application* • *PTT floor control*
S3 Device Volume Up/Down	*To increase or decrease volume of your S3 device*
RED Button	*To disconnect the Cellular/ PTT call*
S3 smart cover Power Switch	*Power button for the S3 smart cover*
Ear Phone Jack	*To insert Ear Phone jack*
Charger Port	*Micro USB charger port*

Connectivity and Calling

Inserting S3 smart cover

While inserting S3 smart cover over your Samsung S3 device, care should be taken to align the micro USB port of the cover with that of the S3 device, this is required because the charging USB port of the cover will also be used to charge your S3 device simultaneously.

> **Note: Plugging the accessory into Power outlet/USB charger, will charge the S3 device & S3 smart cover'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 S3 cover battery to S3 device battery.**

Bluetooth Connectivity

The S3 smart cover is wirelessly connected to your Samsung S3 device through Bluetooth, thus the S3 smart cover also has a rechargeable battery which is molded into the plastic case of the cover case.

Bluetooth pairing of Carbonado S3 smart cover with Samsung S3 device

Follow the instructions to pair your S3 smart cover Bluetooth with your Samsung S3 device:

1. Power OFF the S3 smart cover (Blue LED blinking indicates the power of smart cover being switched OFF).
2. Press & Hold the S3 smart cover power Switch for 5 sec. S3 smart cover will enter in to pairing state. This is indicated by S3 smart cover indication LED.
3. Now, enable Bluetooth on your Samsung S3 mobile device & scan for available Bluetooth devices.
4. You can find the new S3 smart cover with name "**RTKS3C0**".
5. Select the device and get paired.

When to perform Bluetooth connection

You will have to reconnect to S3 smart cover during the following scenarios:

1. Whenever you restart your Samsung S3 device.
2. Whenever you disable & then enable again the Bluetooth on your S3 device.
3. Whenever you disconnect only the S3 smart cover using the Bluetooth shortcut on your mobile.
4. Whenever you confirm disconnection of the connected S3 smart cover from the Bluetooth settings screen.

In all the above mentioned cases, user has to manually connect the S3 device with the S3 smart cover.

Note: If S3 smart cover is powered ON and not connected to any device for more than 5 minutes. The smart cover will enter the power save mode & user has to power ON the S3 smart cover again and try connecting.

Smart Cover Volume Up/Down

Apart from the Samsung S3 device speaker the cover also has a speaker which will be used for PTT application, which basically uses Bluetooth transmission from the S3 device to the S3 smart cover thus you can control the volume of the speaker using the smart cover volume buttons.

PTT Calling to Individuals and Groups

Instead of using the soft PTT icon on the Samsung S3 phone you can also use the side PTT button available on the S3 smart cover for PTT application.

Note: Pressing the side PTT button once on S3 smart cover, whenever your PTT application will Login/Activate/Start for the first time on the S3 device, will establish connection with the PTT client on your handset, only the second time you press the side PTT button on the cover will initiate the PTT application.

RED Button

Red button on top of the S3 smart cover can also be used to terminate the cellular or PTT calls apart from the on screen End call icon in PTT applications.

Behavior of Side PTT button and RED button on S3 smart cover 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

Note: This Smart Cover is supported for AT&T - Samsung SGH-I747 model only

Carbonado S3 Smart Cover for Samsung S3 Device

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(SAR)

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 United States, Industry Canada of Canada.

To comply with RF exposure requirements, a minimum separation distance of 10mm must be maintained between the user's body and the Smart Cover with Samsung S3.

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-S3C0