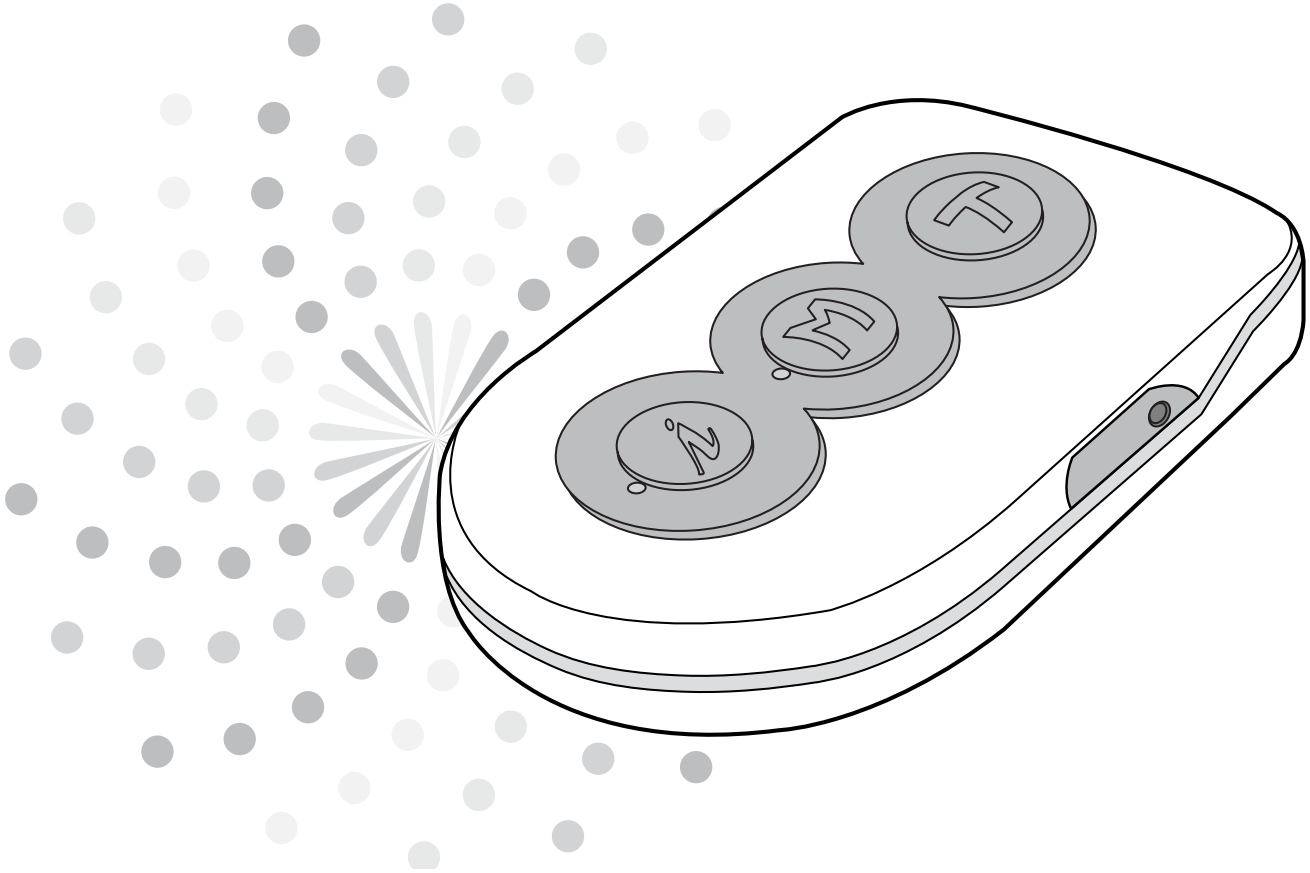
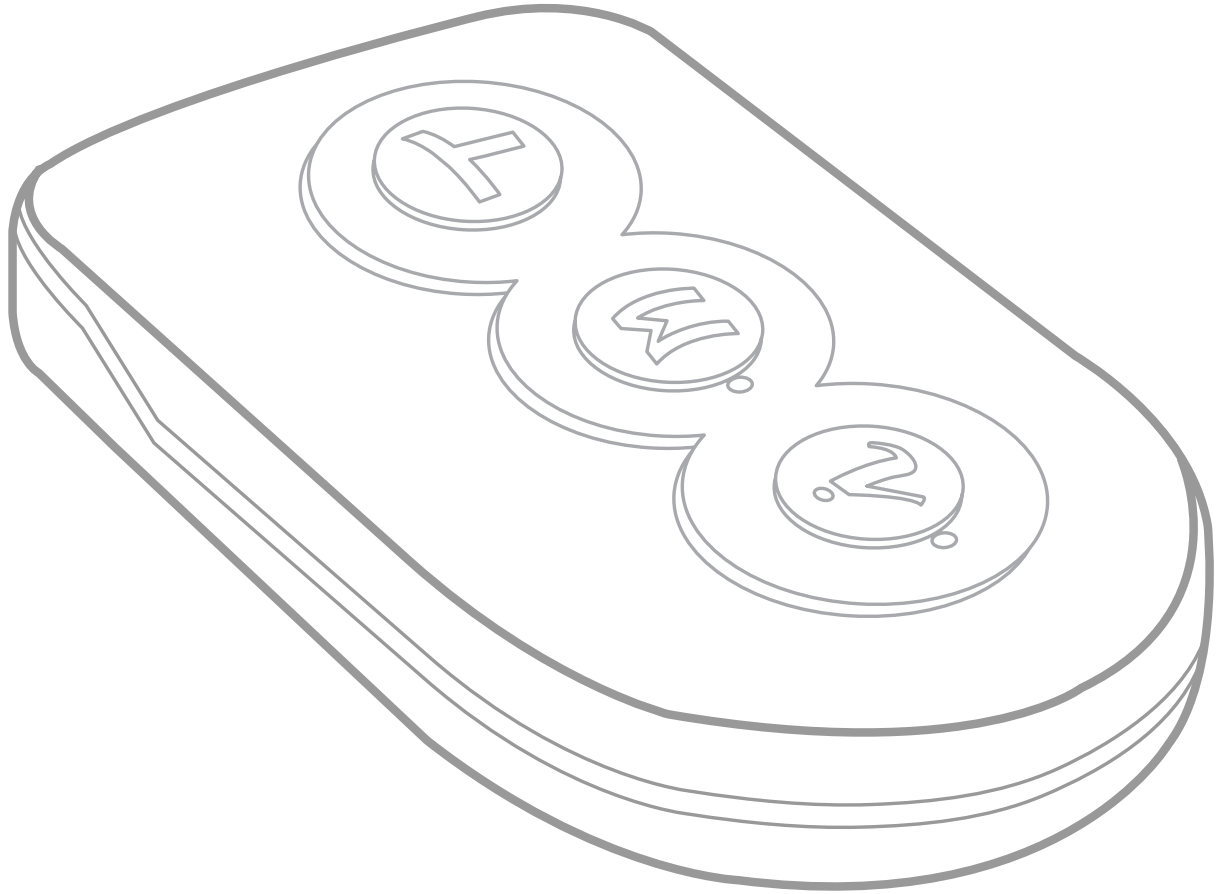
PST-201HF

MOTORCYCLE BLUETOOTH HEADSET SYSTEMS

INSTRUCTION MANUAL

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CONGRATULATIONS ON YOUR PURCHASE OF THE PST MOTORCYCLE BLUETOOTH HEADSET SYSTEM!

Thank you for purchasing our product.
This manual is for **PST-201HF**.
Please read this instruction manual throughly for proper usages and application before connecting and operating the equipment.

PST owns all intellectual property rights including copyrights instruction manual, hardware and related software of PST-201HF which will be protected by the Copyright Act.
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Design and specifications are subject to change without notice.

Attention !
Do not control the headset button behind the wheel.
(If you want to control it, you pull over the vehicle on the safe place first.)

1 YEAR LIMITED WARRANTY

- PST products are warranted with 1 year limited warranty.
  The warranty period is 1 year from the date it was purchased.
- In order to ensure the highest warranty quality, you must complete the attached registration/warranty card and a copy of your original invoice that certifies that date of purchase.
  PST authorized dealer reserves the right to request above documents.
- Keep your original package in case your system needs to be returned or repaired.
- The limited warranty does NOT cover physical damage such as misuse, modification, incorrect installation,unauthorized service, and normal wear and tear. It also does not cover damage by accident or abuse caused by improper cleaning or care.
- PST shall not be liable for any damages or injury to persons or property which occurs while wearing a PST bluetooth headset system.

WHAT IS BLUETOOTH?

Bluetooth®

Bluetooth wireless technology is a short-range communication system intended to replace the cables connecting portable and/or fixed devices used for communication.

How to use Bluetooth System

Connect two or more Bluetooth devices on your wireless network system via subsequent setup process entering the PIN code. Once the Bluetooth devices are connected, you are free to listen to music or have a phone call via Bluetooth headsets whitout any cables.

Static noise or signal interference can occur depending on the environment

1) **When holding the Bluetooth module while wearing the headset on ears or while holding a cell phone, human body can inerrupt signals between the devices.**

2) **When the of external signal receptor of the Bluetooth module, headsets, or cell phone touches the human body.**

3) **When the wall or furniture blocks the signal.**

4) **When satellites, electromagnectic waves or wireless internet interrupt the signal in the same range of frequencies.**

When the bluetooth module and headsets, cell phone or external signal receptor gets further apart than the limited distance, the pairing between the devices can be disconnected. Place the bluetooth module and connected device near while pairing each other. Static noise or signal interference can occur while underground or in industrial areas. Bluetooth system may not be compatible with some navigration or GPS systems.
The volume on the speaker of the Bluetooth headset can be low due to the wind sound while over-speeding. Please observe the speed limit.

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SAFEGUARD INSTRUCTIONS

Please read the "Safeguard Instructions" carefully before using the product. Following safeguard instructions prevents users from any damage related with the misuse of this product. It is very important that users follow these instructions.
We state "Causion" and "Warning" to clarify any potential for damage associated with misuse of the product.

Warning

May cause bodily harm or even death if users ignore warnings in the safeguard instructions.

Caution

May cause bodily harm or even death if users ignore warnings in the safeguard instructions.

About signs

“Precautions”

“Do Not”

“Follow Directions Carefully”

WARNING

Place the product where it doesn't prevent the driver from seeing.
- The driver's view should not be blocked.

Do not use in water. Do not pull the plug with wet hands.
- This may cause electric shock.

Do not use unapproved power voltage.
- This may cause fire or electric shock.

Do not use damaged electric cord.
- This may cause fire and/or eclectric shock.

Be careful when thunder and lightening occurs.
- There is a danger of electric shock.

Do not put pins or needles into the product or electric cord of product.
- If this happens, turn it off immediately. Continuous use may cause fire, electric shock and/or malfunction.

Stop using the product immediately when you drop it or damage the outside shell.
- Continuous use may cause fire, electric shock and/or malfunction.

Do not attempt to open, disassemble or repair the product by any person except an authorized service dealer.
- This may cause electric shock and/or malfunction. You should request an authorized service dealer for any inspection and repair of the product.

CAUTION

Do not put the product in a place where there is a sudden increase in temperature such as the vehicle's dashboard.

Keep the product firmly secured in the helmet.
- It may separate from the helmet.

Clean the product often.
- Dust in the area may cause malfunction.

Do not place electric cord near a heating product.
- The cord surface may melt and cause fire and/or electric shock.

Unplug the product and remove cords when moving.
- It may damage cords and cause fire and/or electric shock.

Do not pull the cord line when you unplug it.
- Damaged cords may cause fire and/or electric shock.

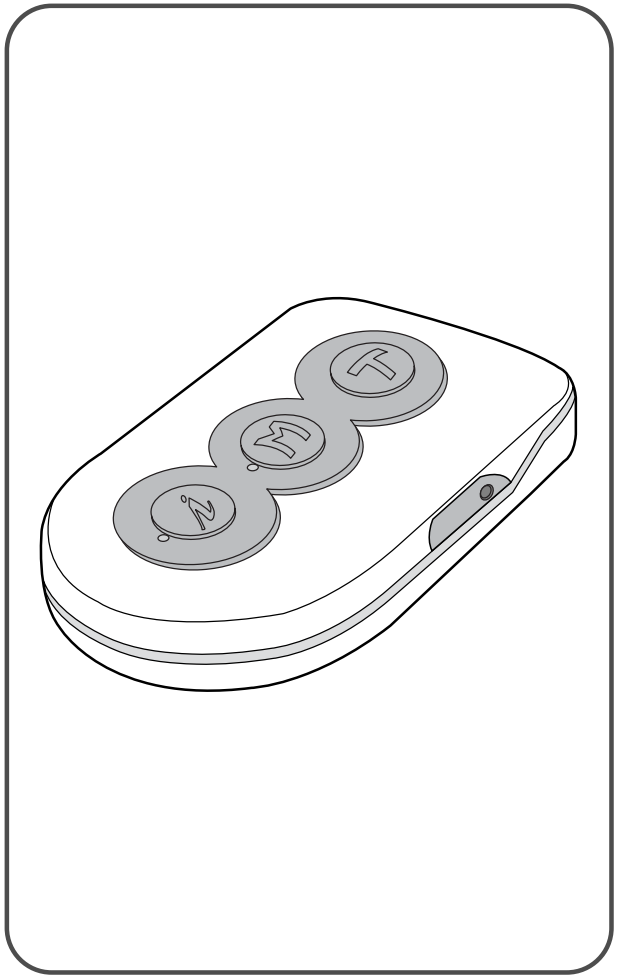
Unplug the product when not in use for a long period of time.
- Damaged cords may cause fire and/or electric shock.

Do not place the product in areas of very high temperature and/or in direct sunlight for long periods of time.
- This may cause fire, electric shock and/or malfunction.

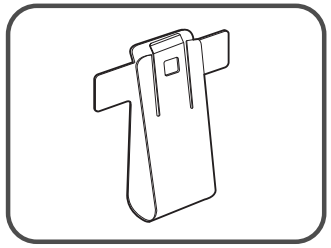
Do not put the product in an unstable place where the product may be exposed to shock and/or impact.
- The product may fall and get damaged.

Keep electric cord properly positioned.
- An improperly positioned electric cord may cause fire or electric shock when metal material is in contact with a power source.

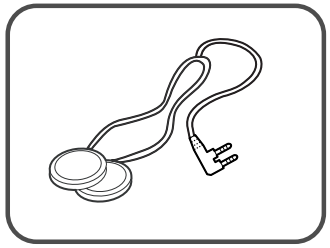
CONTENTS



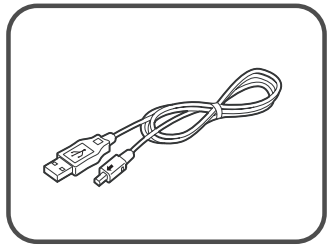
MAIN MODULE



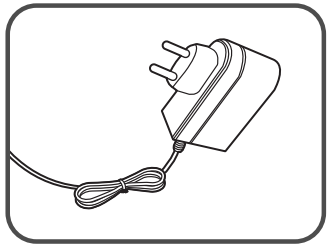
Bracket



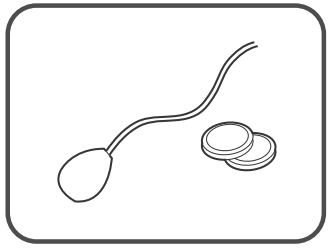
Earphone



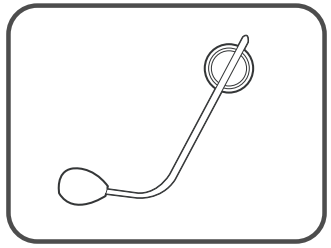
USB Cable
(OPTION)



DC Adaptor
(OPTION)



Microphone A
(OPTION)



Microphone B
(OPTION)

Manual

HEADSET CHARGE

Li-Polymer Battery is included in this Headset.
Use the device after charging the battery completely.

- Display device : RED LED
- When it is charging RED LED turn on, and when it is complete, the RED LED turns off.
- Separate charger from Headset when LED is turned off.
  * It is safe if you did not separate the headset from the charger, because it has anti-overcharged circuit.
- When battery is low, a beeping sound will ring until it is charged.

· **Please use the USB cable or DC adaptor provided by PST.**
Use of an unapproved USB cable may cause damage.

· **If you find any strange occurrences or malfunction in the product or any foreign substance gets into the product, please contact the authorized retailer where you purchased the product.**

PRODUCT FUNCTION CHECK

Phone Feature

- Auto call answering
- Making calls
- Calling the last number dialed
- Voice dialing
- Transfer call
- End call function
- Volume control (up/down)

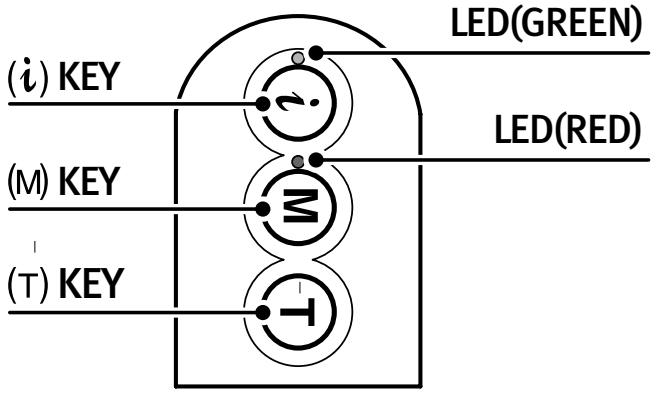
Music Feature

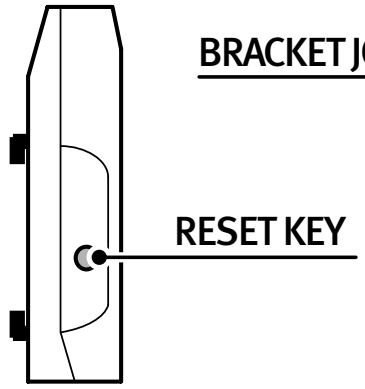
- To play music
- To stop music
- Volume control (up/down)

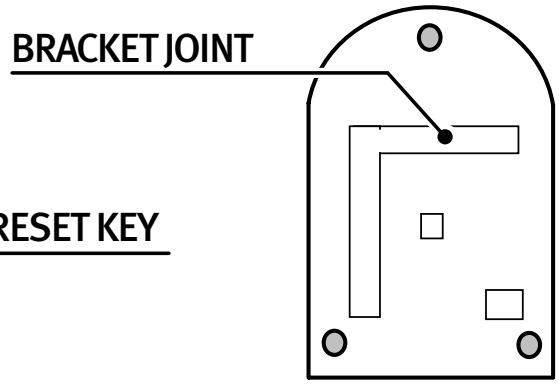
Talk Feature

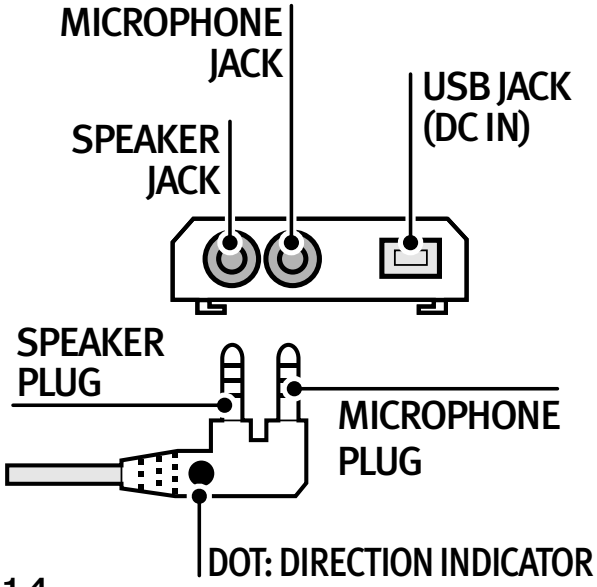
- Operating in intercom mode between driver and passenser, or bike and bike.
- Using your cell phone while in intercom mode between the driver and passenger, or bike and bike (Since phone call is on priority, intercom will be OFF mode during the call.)
- End talk function
- Start talk function

NAME AND FUNCTION OF EACH PART









KEY	FUNCTION
(i) KEY [i : INTERCOM]	• Volume UP • Intercom SLAVE mode pairing • Intercom MASTER mode pairing together (T)KEY • Intercom ON/OFF
(M) KEY [M: MUSIC]	• Volume DOWN • Power ON/OFF • Music Play/Stop
(T) KEY [T: TALK]	• PHONE/AUDIO Device Pairing • Last number redialing, Voice dialing, Transfer call End call • Intercom MASTER mode pairing together (i)KEY
RESET KEY	• Power OFF in various active states

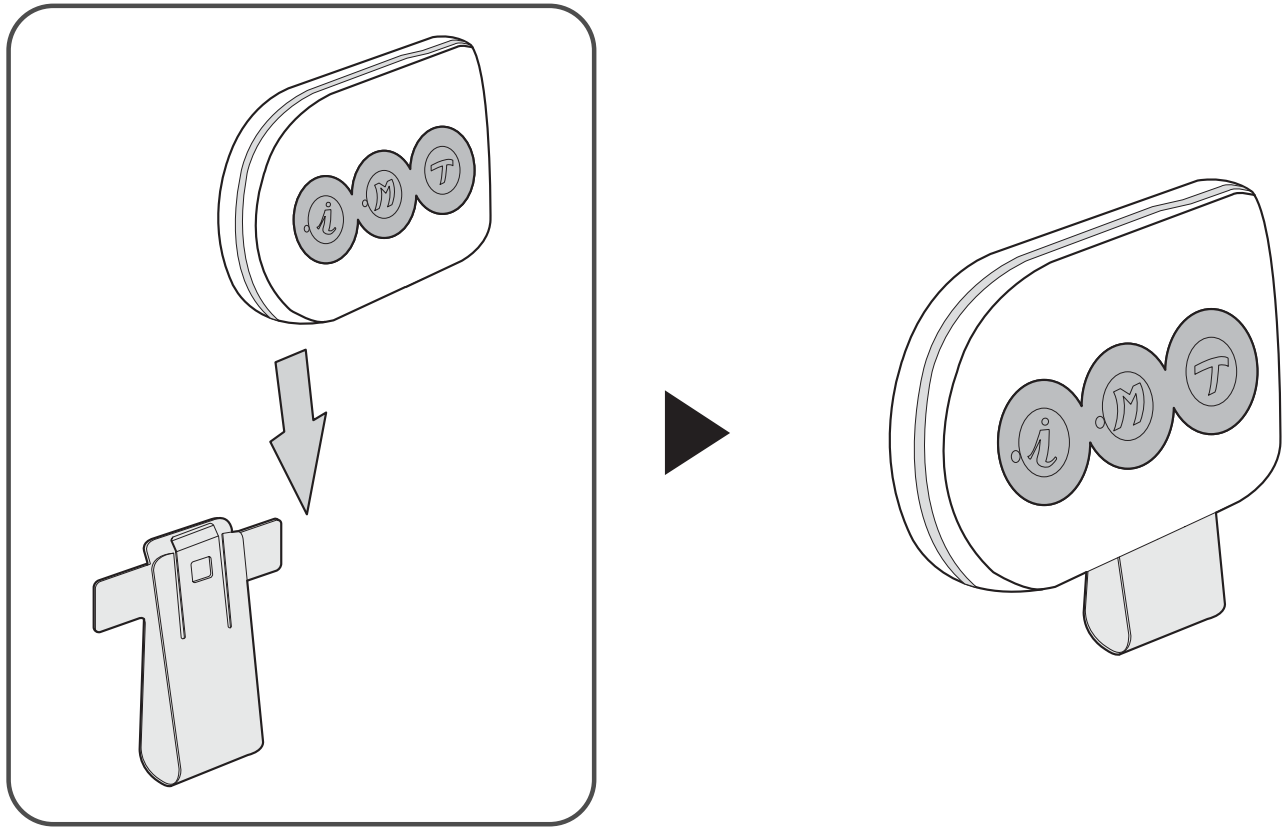
KEY OPERATING TIME AND LED OPERATING STATUS

MODE	KEY	TIME	LED	LED Status
Power ON	(M)	5 sec.	RED	Lighting for 2 sec., then stand-by mode
Power OFF	(M)	5 sec.	RED	Flashing in every 100ms for 2 sec.
Stand-by status	-	-	RED	Flashing in every 3 sec.
Pairing Attempt (A2DP,HFP)	(T)	5 sec.	RED	Flashing in every 100ms until completed
Pairing Attempt (Intercom SLAVE)	(i)	5 sec.	GREEN	Flashing in every 100ms until completed
Pairing Attempt (Intercom MASTER)	(i) + (T)	5 sec.	GREEN	Flashing in every 100ms until completed
Success of Pairing (Phone/Audio)	-	-	RED	Flashing at 2 times in every 100ms for 2 sec.
Success of Pairing (Intercom)	-	-	GREEN	Flashing at 2 times in every 100ms for 2 sec.
During phone call	-	-	RED	Flashing in every 2 sec.
While playing Music	-	-	RED	Flashing in every 2 sec.
During Intercom	-	-	GREEN	Flashing in every 2 sec.
Call & Intercom waiting	-	-	GREEN	Flashing in every 8 sec.
Intercom ON/OFF mode	(i)	1.5 sec.	-	-
Music Play/Stop	(M)	1.5 sec.	-	-
Last Number Dialing	(T)	Quick	-	-
Voice Dialing	(T)	2 sec.	-	-
Transfer Call	(T)	2 sec.	-	-
End Call	(T)	Quick	-	-
Battery Charging	-	-	-	LED ON until full charging, then light-out
Low Battery status	-	-	-	Interval beeping every 30 sec.

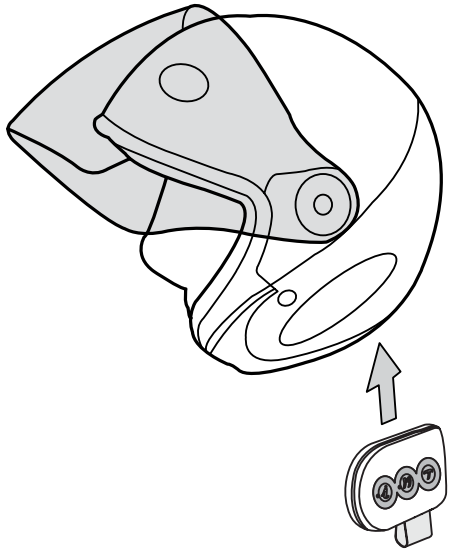
HEADSET MOUNTING AND DISMOUNTING

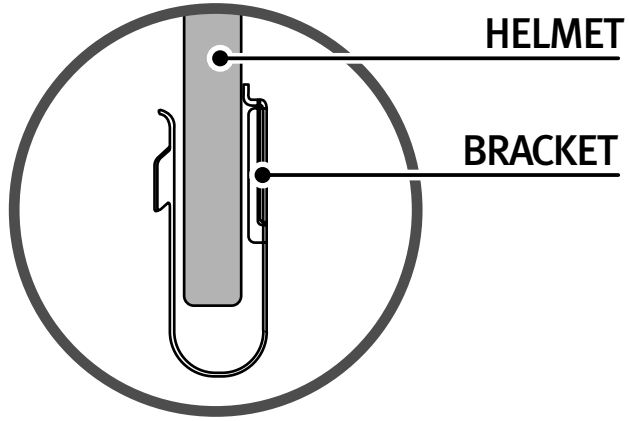
This process is applicable to 1/2 helmet, 3/4 helmet and full face helmet.

STEP1. Push up the Bluetooth main module into the bracket.



STEP2. Fix the main module at the lower part of the helmet using the bracket.





HEADSET CARE

- Keep the power off when not in use.
- Keep in a cool place avoiding extremely high temperatures, direct sunlight for extended periods of time such as inside hot vehicles.
- Keep accompanying parts in a dry place.

HEADSET POWER ON/OFF

To POWER ON, press to **(M)KEY** for 5 seconds.
To POWER OFF, press **(M)KEY** for 5 seconds again.
(For more details refer to " KEY operating time and LED operating status" on page 15.)

- **Turn off headset and on, if compatibility of device makes trouble.**
- **Press reset KEY and turn on, if all functions are not workable from wrong operation.**

VOLUME UP/DOWN

Press **(i)KEY (Volume UP)** or **(M)KEY (Volume DOWN)** to control volume when the devices is turned on.

- **Volume level is adjustable while the device is turned on.**

HEADSET REGISTRATION AND CONNECTION METHOD

1. Pairing Headset with cellular phone

Please pair the Headset to your Bluetooth device(ex.Cellular phone) before using. This process connects two devices to enable the Bluetooth function. Select "**PST-201HF**" in searched device list.

1) Press **(M)KEY** on the headset for 5 seconds while the power is off.
2) Press **(T)KEY** on the headset for 5 seconds while the power is on.
3) Activate the bluetooth functionality of your phone and search for bluetooth device.
   * For further information, refer to the user guide of your phone.
4) Once the search is complete, search “PST-201HF” in the list of peripherals detected.
5) Enter the PIN code “0000”.
   * Once the pairing is over, your phone connects to the headset.

- Refer to the instruction manual of the cellular phone to play music files that are built-in to the cellular phone to listen to music.
- In order to disconnect the cellular phone, uncheck the bluetooth option on the cellular phone.

- **Do not pair headset with your Bluetooth device(ex.Cellular phone or Audio device) in the intercom ON mode. Please pair Headset with Bluetooth device in the intercom OFF mode.**
- **When the headset is turned off and then on, it connects automatically with the cellular phone connected recently.**
- **To pair the cellular phone to headset, select "HANDSFREE" or "STEREO HEADSET" in bluetooth menu on cellular phone. (Can not pair to "HEADSET" in bluetooth menu.)**
- **In order to connect the Headset with Audio device and cellular phone at the same time, your cellular phone must be handsfree version.**

2. Pairing Headset with Audio Device/MP3 Player

1) Press **(M)KEY** on the headset for 5 seconds while the power is off.
2) Press **(T)KEY** on the headset for 5 seconds while the power is on.
3) Activate the bluetooth functionality of your audio device and search for bluetooth device.
   * For further information, refer to the user guide of your audio device.
4) Once the search is complete, search “PST-201HF” in the list of peripherals detected.
5) Enter the PIN code “0000”.
   * Once the pairing is over, your audio device connects to the headset.

- In order to disconnect the Audio device, uncheck the bluetooth option on the Audio device.

· **When the headset is turned off and then on, it is not connected automatically.**
Press (M)KEY for 1.5 seconds to reconnect headset with audio device.

3. To Connect Intercom between Rider and Passenger, or bike and bike.

1) For first, press **(M)KEY** on the headset for 5 seconds while the power is off.
2) For Slave, press **(i)KEY** on the headset for 5 seconds while the power is on.
3) For Secondary, press **(M)KEY** on the headset for 5 seconds while the power is off.
4) For Master, press **(i)KEY** and **(T)KEY** together for 5 seconds while the power is on.

- **When the headsets are turned OFF and then ON, press (i)KEY for 1.5 seconds to reconnect the intercom mode between both headset.**
  (When the headsets are repowered ON, they can not be reconnected each other automatically.)

- **Connecting the Bluetooth adaptor(mono) after the cellphone(stereo) is paired, the cellular phone will be disconnected automatically.**
  When the Bluetooth adaptor(mono) is being paired, you cannot pair the cellular phone(stereo) at the same time.

OPERATING INSTRUCTIONS

1. To answer a call

1) When pairing of Headset to your cell phone is completed, it is ready to answer and make calls.
2) The function of Auto Answer Call is included in this Headset and does not require additional key operation to answer because calls are received automatically.
3) Press **(T)KEY** shortly to end call or reject call.

2. To make a call

1) Last Number Dialing
   - Shortly press **(T)KEY** to call the last number dialed.
2) Voice Dialing
   - If you press **(T)KEY** for 2 seconds, voice information is announced.
   - At this time, please follow the voice information to make a call.
3) Transfer Call
   - If press **(T)KEY** for 2 seconds in current cellular phone calling, telephone is connected to Headset.
   - If press **(T)KEY** for 2 seconds again, can move to current cellular phone calling.

* Please refer to the instruction manual of your cellular phone for voice dialing. Voice dialing option of bluetooth is only available for the cellular phones that has the voice dialing option and registered for the stereo headset service.

- **When cellular phone is disconnected due to the long distance between the headset and cellular phone, press (T)KEY shortly to reconnect headset with cellular phone.**

- **When Bluetooth adaptor is paired, you cannot use the (T)KEY. Using the (T)KEY might cause the product to malfunction.**

3. To listen to music

1) Listening to music files stored to a cellular phone through Headset
   - Pair Headset with Cellular phone(audio built-in).
   - Please refer to the cellular phone manual to find out how to select the "MP3"mode to play.
   - To stop the music, press **(M)KEY** for 1.5 seconds.
   - To play the music again, press **(M)KEY** for 1.5 seconds.

> · **On some cellular phone, only MP3 files can be played. Check the format if the music files are stored as MP3`s.**

2) Listening to music files stored in audio device through Headset
   - Pair Headset with an Audio device.
   - Please refer to the audio device manual to play the music.
   - To stop the music, press **(M)KEY** for 1.5 seconds.
   - To play the music again, press **(M)KEY** for 1.5 seconds.

> · **If audio device is disconnected due to the long distance between the headset and the audio device, press (M)KEY for 1.5 seconds to reconnect headset with audio device.**

- **If music source in phone is not stereo (A2DP), intercom function can not work normally during music play.**
- **If phone is not support audio video remote control (AVRCP), headset can not operate music play. Only play with phone.**
- **When you use headset with MP3 device, it must be used in play mode of MP3 device to prevent trouble of remote control (AVRCP).**
- **Use (M)KEY on headset to operate music play ON/OFF, when MP3 player (audio device) is connected. Play function on MP3 can be operated wrong depending MP3 source.**

4. To talk in intercom mode

- When two Headset are connected, there is intercom OFF mode.
- To order to intercom ON mode, Press **(i)KEY** for 1.5 seconds.
- To end intercom ON mode, Press **(i)KEY** for 1.5 seconds.

· **Intercom ON mode : Audio Gate OPEN**
· **Intercom OFF mode : Audio Gate CLOSE**

· **When the audio signal is sensed to talk by VOX, there is changed to Intercom ON mode.**

· **When intercom is disconnected due to the long distance between one headset and another headset, intercom will be automatically connected if there two equipments gets within 100 meter distance.**
In this case, press (i)KEY for 1.5 seconds to talk in intercom ON mode.

5. To use intercom while playing music

- First, pair the Headset with your cellular phone or audio device to listen music.
- Second, pair one Headset with another Headset to use the intercom feature.
- If press **(i)KEY** for 1.5 seconds while listening to music, the music stop and changes intercom ON mode to talk between rider and passenser, or bike and bike.
- If press **(i)KEY** for 1.5 seconds to play the music again, intercom is stopped, then music will be playing automatically.
- To talk again, press **(i)KEY** for 1.5 seconds.

· **Not possible to play the music during intercom function.**

6. To talk on the phone while music is playing

1) To talk on the phone while playing music files stored in your cellular phone.
   - Pair the Headset with your cellular phone.
   - When there is an in-coming call while music is playing, the music will be stopped and turn to phone mode.
   - If talk on the phone is finished, music is playing again automatically.

> · **When the user hangs up the phone call by pressing (T)KEY on the Headset shortly, the stopped music will be back on the playing mode.**
> · **Not possible to play the music during call function.**

2) To talk on the phone while playing music files stored in audio device.
   - Pair the Headset with your cellular phone.
   - Pair the Headset with audio device then make listen to music.
   - When there is an in-coming call while music is playing, the music will be stopped and you can answer your call.
   - If talk on the phone is finished, music is playing again automatically.

· **When the user hangs up the phone call by pressing (T)KEY on the Headset shortly, the stopped audio device will be back on the playing mode.**

· **If you press the (T)KEY once shortly, the music is disconnected and cellular phone returns to call the last number dialed. Depending on the cellular phone, you may have to press the (T)KEY twice.**

7. To answer and make calls while in intercom mode using the Talk feature

- If there is an in-coming call to the cellular phone, the intercom will be OFF mode for the cellular phone call.
- when the call is ended, intercom will be back to intercom ON mode.

- **You cannot talk on the phone and be in intercom mode at same time.**
  (Not possible to talk intercom during call function.)
- **Set OFF mode of key sound to prevent the interruption of intercom function from key sound of some kinds of cellular phone model.**
- **Set OFF mode of bell sound to prevent the interruption on intercom function.**
  (Bell sound of specific cellular phone model may interrupt the intercom function.)

BATTERY CHARGING AND STANDARD USE TIME

CHARGING TIME	STANDARD USE TIME	
3 hours	Talk stand-by time	Music play time
	100 hours	6 hours

PRODUCT SPECIFICATIONS

Device name	PST-201HF
Bluetooth version	Version 2.0
Frequency range	2.402 ~ 2.480 MHz
Transmission output	max. 50 mW
Wireless use distance	at max. 100 meters
Dimension	43(W) x 70(H) x 18(D) mm
Weight (excluding accessories)	40 grams
Operating temperature	-20 ~ 5 ℃

GETTING THE MOST OUT OF YOUR BLUETOOTH DEVICE

1. The best condition to listen to music while driving :

1) Open face helmet : Below 60 mph
2) Full face helmet : Below 70 mph

2. The best condition to have a phone call or intercom conversation while driving :

1) Open face helmet : Below 50 mph
2) Full face helmet : Below 70 mph

3. Static noise

1) When the headset is being paired with other bluetooth devices.
2) When the distance between the headset and bluetooth device is furthe than 100 meters.
3) When passing heavy radio signal interference areas.
4) When several bluetooth devices are being used at the same time.

4. For proper use device

1) Install the headset where each driver and passenger or bike and bike can see. (ex. On the same side of helmet)
2) Place the cell phone which is paired in the back pocket of the pants or shirt pocket.

REGULATORY INFORMATION

FCC Compliance Information

This device complies with part 15 of FCC Rules.
Operation is subject to the following two conditions;
1) This device may not cause harmful interference, and
2) This device must accept any interference received.
Including interference that may cause undesired operation.

FCC WARNING

This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

CE

Hereby, [PST CO.,LTD] , declares that this[(PST-201HF)] is in compliance with the essential requirements and other relevant provisions of directive 1999/5/EC.