

Q106e Smart Lock User Manual

Instructions to User

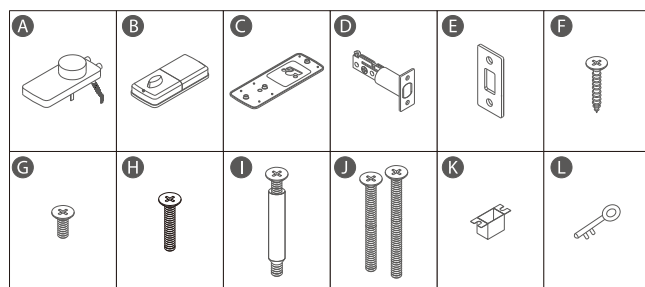
- Do not attempt to disassemble or repair the product without authorization.
- Do not press the keyboard and fingerprint recognition area with excessive force or sharp objects.
- Make sure the door is fully closed when going out. The manufacturer is not responsible for any loss caused by your improper door closing.
- Replace the battery when you hear the alarm of low battery.
- Change your password regularly to ensure security.
- Do not clean the device with corrosive substances to avoid damaging the protective layer and affecting the smooth surface of the device.
- Keep your fingers clean when unlocking with fingerprint.
- Please install inside the door or keep the door normally open to avoid being locked outside the door.
- Keep the mechanical key in a safe and secure place. The mechanical keys act as a backup, if your password, fingerprints or APP don't work, they can prevent you from being locked outside the door.

Product Specification

Model	Q106e
Material	Zinc alloy
Front lock size	65.4*163.4*31.5mm
Rear lock size	72.4*188.4*45.5mm
Weight of lock	1.35kg
Door opening methods	Tuya APP/Password/ Fingerprint/Key
Power supply	Four AA (5#) batteries
Supported door thickness	35-55cm
User capacity	50 fingerprints, 150 passwords
Operating Temperature	-30°C~+55°C
Operating Humidity	<RH 95%
Waterproof and dustproof grade	IP65

Accessories package

Parts List

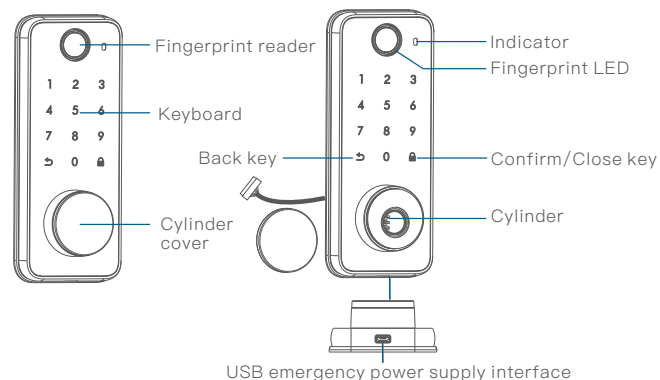


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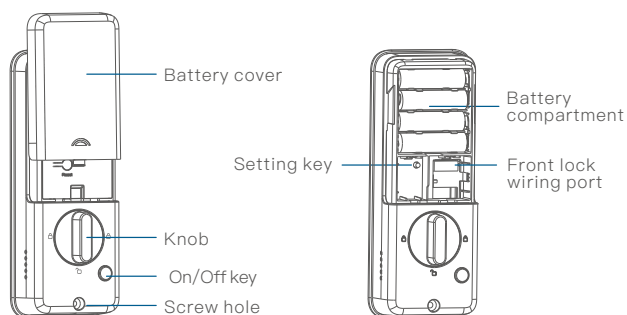
- A 1*Front lock
- B 1*Rear Lock
- C 1*Mounting Plate
- D 1*Deadbolt
- E 1*Strike Plate
- F 4*Strike screws(M4*0.8 in)
- G 2*Interior Assembly Screws (M4*0.4 in)
- H 1*Interior Assembly Screw (M4*1 in)
- I 1*Connection column screw (M4*1.5 in)
- J 4*Mounting Plate Screw(M5*1.8 in/2.2 in)
- K 1*Strike Reinforcer
- L 3*Keys

Product Overview

Front View



Rear View



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Preparations

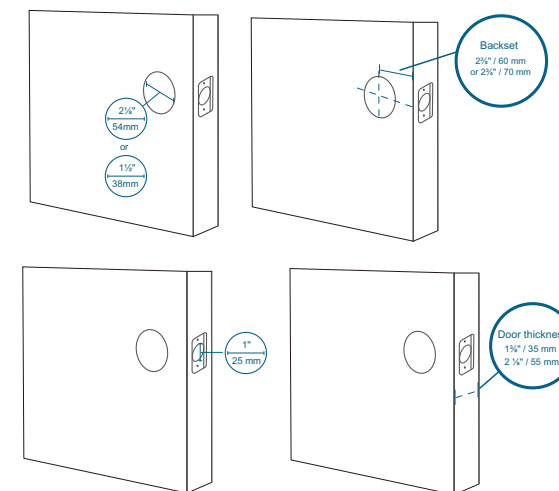
Door parameters and specifications

1. Make sure the lock can be installed correctly

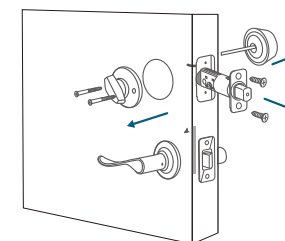
- ① There are no obstacles in the door opening, ensure that the lock tongue can be extended and retracted normally.
- ② Compare the position of the hole in the door with the drill template.

2. Door size

- ① Diameter of hole in the door (2" / 54 mm or 1½" / 38 mm).
- ② Distance between the hole center to the door edge (2" / 60 mm or 2¾" / 70 mm).
- ③ Door opening diameter (1" / 25 mm).
- ④ Door thickness (1" / 35 mm - 2" / 55 mm).



3. If the door has been installed with a lock, remove it first, including the bolts.:

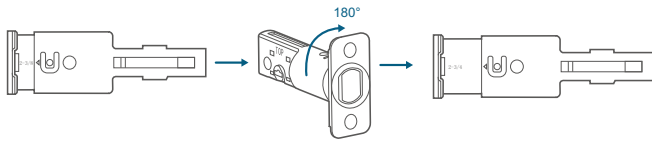


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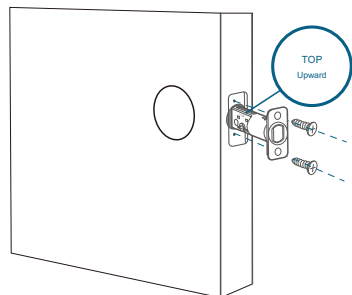
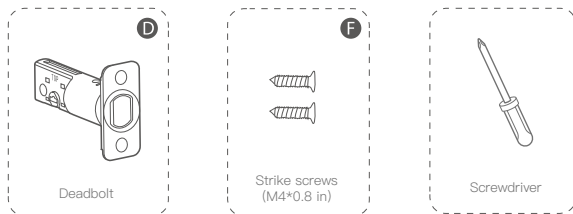
Install the smart lock

Install the deadbolt

- ① Measure the distance between the hole center to the door edge (2" / 60 mm or 2¾" / 70 mm).
- ② If the distance between the hole center to the door edge is 2" / 60 mm, please use the provided lock bolt for installation. If the distance between the hole center to the door edge is 2¾" / 70 mm, adjust the deadbolt to 70mm until the bolt locks into place.



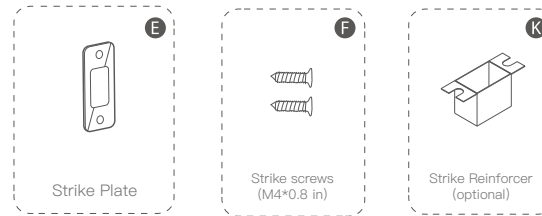
- ③ Insert the door bolt into the door frame, make sure the word "UP" is facing up, and it is indicated on the lock bolt.
- ④ Screw the door bolt into the door frame with a screwdriver (not provided). Items required: deadbolt, deadbolt screws, screwdriver (not provided) – schematic diagram, operation diagram.



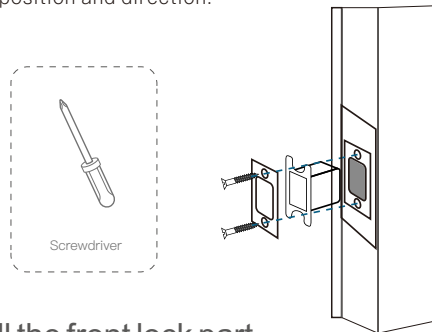
Install the strike plate

If it is confirmed that the bumper plate (strike plate) used by the lock bolt on the existing door frame can be extended and retracted smoothly, you can skip this step without installing the strike plate in the accessories package.

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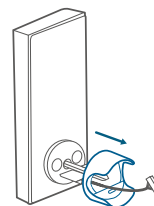


- ① Align the bumper plate (strike plate) and the strike plate buckle box with the center hole of the lock bolt.
- ② Put the strike plate buckle box into the door hole. Putting this accessory is for the sake of appearance and to avoid dust in the door hole being brought into the cylinder by the lock bolt, which will affect the life of the cylinder.
- ③ The strike plate covers the buckle box, and the strike plate is fixed with screws. Make sure the strike plate is placed in the correct position and direction.



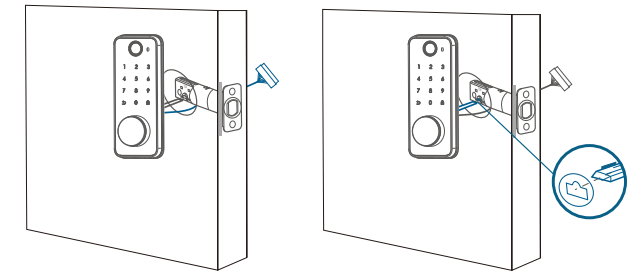
Install the front lock part

- ① Attach the black silicone pad to the back of the front lock (it has been attached at the factory, please ignore this step).
- ② If the diameter of the door hole is 2" / 54mm, please use the provided spacer to secure the smart lock.
- ③ If the diameter of the transverse hole is 1½" / 38 mm, please remove the spacer.



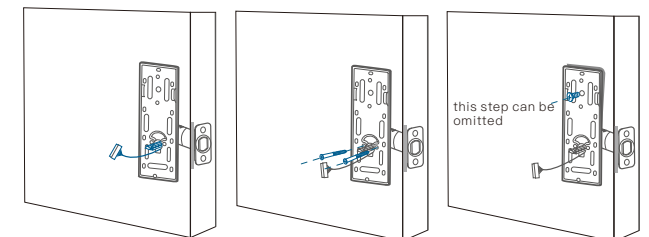
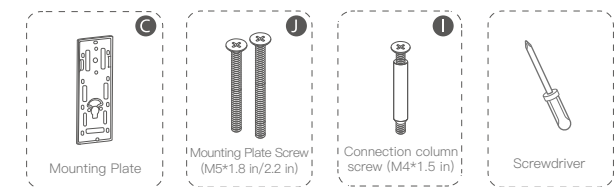
- ④ Align the tail teeth of the cylinder with the center hole of the lock bolt and insert it into the center hole.
- ⑤ Pass the wire connected to the front lock from under the electric lock into the door.

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Install the mounting plate

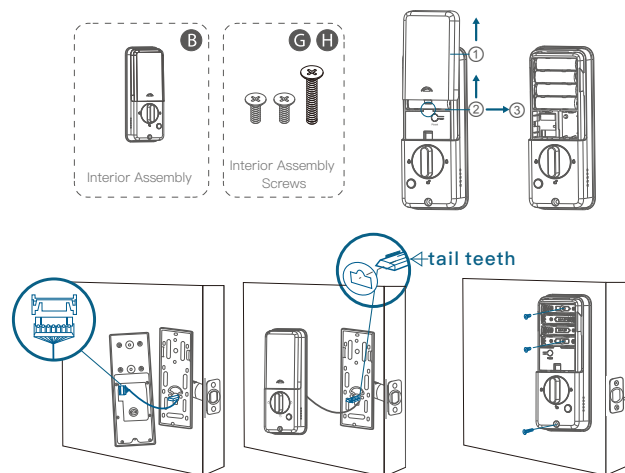
1. Attach the black silicone pad to the mounting plate (it has been attached at the factory, please ignore this step).
2. Pass the front lock wire through the hole in the mounting plate.
3. Secure the mounting plate to the inner door frame with the mounting plate screws. Please confirm the door thickness, use the corresponding screws, cylinder fixing 1.8 inch screws (schematic diagram "J") for door thickness of 35–45mm or cylinder fixing 2.2 inch screws (schematic diagram "J") for door thickness of 35–55mm, make sure the screws pass through the holes of the lock bolt and the mounting plate, and lock them in place.
4. In order to secure the lock to the door, please use additional auxiliary fixing screws (schematic diagram "I"), and drill according to the drilling diagram (if you do not want to drill holes to damage the smart lock, this step can be omitted).



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Install the rear lock

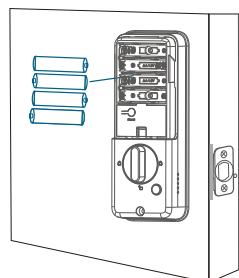
1. Pull to open the wiring port cover(2), pass the front lock wire through the rear lock, and insert the wire into the socket correctly.
2. It is necessary to ensure that the mechanical knob is in the vertical position and the cylinder is in the retracted state. Align the **tail teeth** of the cylinder with the cylinder hole on the rear panel and insert it correctly.
3. Secure the rear lock to the mounting plate with screws.
4. Turn the knob and check whether the lock bolt can retract. If it is unable to retract smoothly, adjust the screws or reinstall it again.



Note: If the lock bolt is inserted when the lock is not in the retracted state and the mechanical knob in the vertical state, it will cause the lock bolt to be abnormal, and the APP shows that the On/Off state of the lock is inconsistent.

Install the battery

Insert four AA batteries into the battery compartment, note the polarities (+/-).



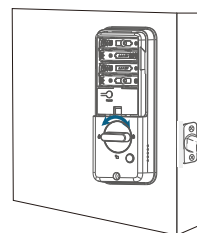
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Smart lock local function

Calibrate Door Opening Direction

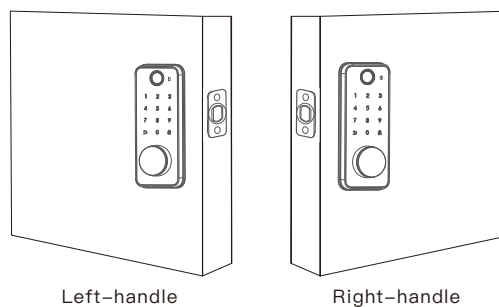
1. When the smart lock is used for the first time (in the initialization state), it is necessary to calibrate the door opening direction. After starting the lock, you will hear the voice prompt: "Please turn the knob to the horizontal position", after setting successfully, you can start to use the smart lock. You can also press the Back key on the keyboard to exit, and set later.

Enter the local program to calibrate the smart lock.



2. Calibrate the smart lock direction in the smart lock local menu program:

- ① Hold the Back key to verify the administrator password
- ② When you hear the voice prompt "Please press 5 to calibrate the smart lock direction", choose to modify the user.
- ③ When you hear the voice prompt: "Press 1 for door opening to left, press 2 for door opening to right, choose the door opening direction.
- ④ Calibrate successfully.



Note:

It will cause the lock bolt to be abnormal and the smart lock cannot be used correctly if the door opening direction is not calibrated. Please calibrate the door opening direction.

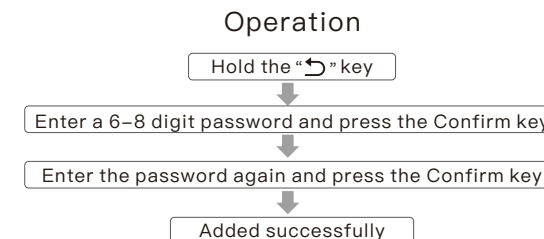
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Add local administrator

1. Before add local administrator, the smart lock will be in the initialization state, and it can be opened with any fingerprint or password "123456".

2. Only one administrator for each smart lock, it must be 6-8 digitals passcode.

3. Operation as below:



Add user

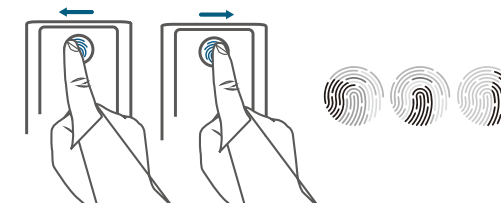
Two types of users, password or fingerprint.

Add password:

- ① Hold the Back key to verify the administrator password.
- ② When you hear the voice prompt "Please press 1 to add user", please press 1 to add user.
- ③ When you hear the voice prompt: "Please press 1 to enter the password", please press 1 to enter password.
- ④ Enter a 6-8-digit password, press the Confirm button to end, and enter it again, the password is added successfully.

Add fingerprint:

- ① Hold the Back key to verify the administrator password.
- ② When you hear the voice prompt "Please press 1 to add user", please press 1 to add user.
- ③ When you hear the voice prompt: "Please press 2 to enter fingerprint", please press 2 to enter fingerprint.
- ④ Repeatedly enter the fingerprint 6 times, the fingerprint is added successfully.



Note: Enter your finger in as many places as possible to improve the door opening experience via fingerprint recognition.

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Delete user

1. Hold the Back key to verify the administrator password.
2. When you hear the voice prompt "Press 1 to delete a user", please press 1 to delete a user.
3. When you hear the voice prompt: "Please press 1 to delete all user passwords, please press 2 to delete all user fingerprints, and please press 3 to delete all users".
4. Select the key you want to delete, and the operation is successful after hearing the prompt.
5. Delete user successfully.

Change password

1. It can only modify the ordinary user password, the administrator password cannot be modified.
2. Modify the password in the smart lock local menu program:
 1. Hold the Back key to verify the administrator password.
 2. When you hear the voice prompt "Please press 1 to modify the user", please press 1 to modify the user.
 3. When you hear the voice prompt: "Please enter the original password", enter the original password and press the Confirm key. When you hear the voice prompt: "Please enter a new password", please enter the new password and press the Confirm key.
 5. When you hear the voice prompt: "Please enter the new password again", please enter the new password and press the Confirm button.
 6. Password is changed successfully.

Toggle volume

1. Perform toggle volume of the smart lock in the local menu program.
Hold the Back key to verify the administrator password. When you hear the voice prompt "Press 6 to toggle the volume", please press 6 to toggle the volume.
When you hear the voice prompt: "Press 1 for high tone, press 2 for medium tone, press 3 for low tone, press 4 for mute", please select the volume accordingly.

Normally open mode

1. Enable the normally open mode in the smart lock local menu program.
 1. Hold the Back key to verify the administrator password. When you hear the voice prompt "press 7 for normally open mode", please press 7 to select the normally open mode.
 3. When you hear the voice prompt: "The lock is normally open", the operation is successful.
Disable the normally open mode:
 1. Unlocking once with an electronic key, the mode will be released after automatic locking.
 2. Disable the normally open mode (Confirm key of the keyboard, one-click On/Off key, mechanical knob).

Restore factory settings

- Restore factory settings: delete all smart lock usage data, reset the smart lock to the factory state (please use this function with caution, it will not be restored after operation).
1. Initialize the settings in the smart lock local menu program
Hold the Back key to verify the administrator password
When you hear the voice prompt "press 8 to initialize the settings", please press 8 to initialize the settings.
 3. When you hear the voice prompt: "Press the Confirm key to confirm", please press the Confirm key to confirm and start the initialization.
 4. When you hear the voice: "Initialization successful", that is, the lock is successfully initialized.

Virtual password

You can add other numbers before and after entering the correct password in the lock. The total length of the virtual password is 16 digits.

Example
User Code: 123456

Vague Code

- 1: 123456XXXXXXXXXX
- 2: XXXXXX123456
- 3: XXX123456XXXX

Trial-and-error alarm.

After the smart lock fails to unlock multiple times, it will generate an alarm and lock the smart lock for 180s. Trigger: If wrong password is input continuously within 180s, the password pad will be locked, if it fails to unlock continuously with fingerprint, fingerprint recognition will be locked. Release: After unlocking once with the correct electronic key, trial-and-error alarm will be released.

Automatic locking
After the smart lock is opened, the smart lock will be automatically closed within a fixed time (5S). After binding the APP, the locking time can be adjusted and the automatic locking function can be disabled.

Low battery alarm

The smart lock will issue a warning when the battery is low, please replace the battery in time. The door can be unlocked about 50 times when the battery is low.

If the lock bolt is stuck when extended and retracted, the smart lock will give alarm.

External power supply
When the smart lock is out of power, it supports an external USB (5v, 1A) power supply to supply power to the smart lock. This function cannot be used for charging and can only be used temporarily.

User capacity
250 users in total, 100 fingerprints, 150 passwords.

Key operation list

Hold the Setting key	restore factory settings
333+Confirm key	Toggle volume
7+Confirm key	Change user password
51+Confirm key	Calibrate the door opening direction
123+Confirm key	After unlocking, enter 123+Confirm key to enable the normally open mode
3+Confirm key	Networking mode
Hold the Back key	Enter the local program
Double click the Return key 2 times	Enable sleep quickly
Return key	Return or clear all entered information

Key operation list

Hold the Setting key	restore factory settings
333+Confirm key	Toggle volume
7+Confirm key	Change user password
51+Confirm key	Calibrate the door opening direction
123+Confirm key	After unlocking, enter 123+Confirm key to enable the normally open mode
3+Confirm key	Networking mode
Hold the Back key	Enter the local program
Double click the Return key 2 times	Enable sleep quickly
Return key	Return or clear all entered information

Pair Your Phone with Smart Lock

Download the Tuya App from the App Store or Google Play
1. After downloading the APP, please register an account to use the APP.



2. When pair the smart lock with your mobile phone, please be near the smart lock to avoid pairing failure.

3. When pairing the smart lock, please keep the smart lock in networking mode.

1. Open the APP, select "Add Device", the APP will automatically search for the smart lock in the networking mode.
2. Press the 3+Confirm key on the smart lock to verify the administrator and enter the networking mode, and when you hear the smart lock voice prompt: "Please bind the smart lock with mobile phone", it means that the smart lock has entered the networking mode. Or enter the networking mode from the local menu.
3. Select the searched smart lock.
4. When you hear the voice prompt: "Add successfully", that is, the mobile phone and the smart lock have been successfully paired.

FAQ

1. What is the difference between administrator and normal user?
The administrator is the person who is originally registered in the smart lock. The administrator can control all settings and functions of the smart lock. Ordinary users can only unlock through fingerprints, passwords or APP, and cannot set the smart lock.
2. The device is out of power, how to start it in an emergency?
After powering through the emergency charging port (5V-1A) under the front lock, enter the registered password or fingerprint to unlock, or directly unlock with the mechanical key.
3. What should I do if I forgot the administrator password?
You can log in to the Tuya APP to change the administrator password in the Password Management, or briefly describe the problem and send it to our official E-mail support@fingercrystal.com.

4. What should I do if the smart lock system is locked?
Use the correct electronic key to open the door once

5. Why can't I open my door through the App from far away?
It may be affected by various factors such as obstacles to unlock with the APP. It is recommended to keep the phone as close to the door as possible, or at least within 16 feet.
Shenzhen Fingerchip Intelligent Technology Co., Ltd. Room 406-407, Research Building, Tsinghua Hi-Tech Port, Nanshan District, Shenzhen.



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

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

NOTE: This equipment 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.

This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

Radiation Exposure Statement

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance of 20cm from your body.