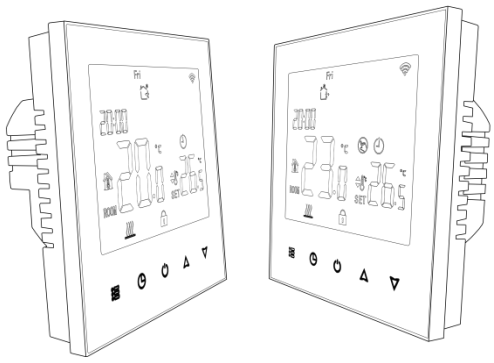
Touch Screen Room Thermostat

User Guide Model：SS210H



Welcome

Thank you for your purchase.
Your new thermostat will provide uniform and comfortable temperature control throughout every room in your property. We bring together technology, craftsmanship and the highest quality materials to provide you with a safe, reliable product combined with sleek, contemporary design. Please read this installation/ programming manual for comprehensive instructions on installing and operating your thermostat. Please ensure a suitably qualified person installs your thermostat and complies with all local regulations.

In the box you will find

Thermostat	1pc
Screws	2pc
User Guide/manual	1pc
Wall plate	1pc
3m External (Floor) Sensor(optional)	1pc

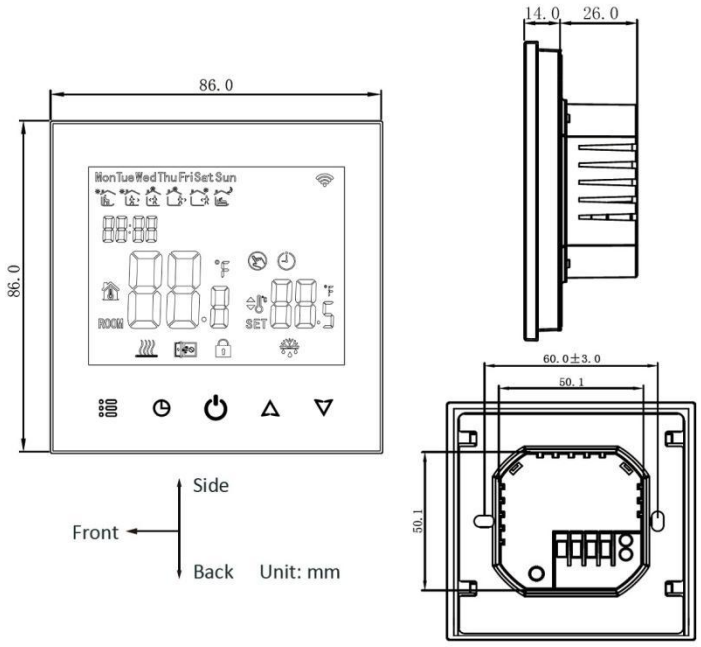
Service

We offer the warranty of 24 months from the sales day. If it is not the problem of quality or beyond the warranty time, we will charge for the after-sale service.

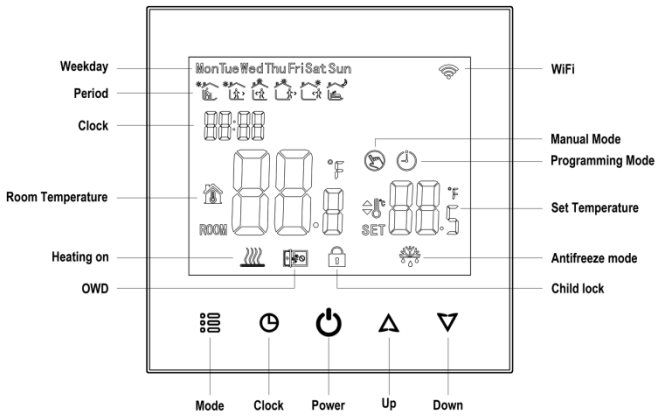
About your thermostat

The SS210H series thermostat range has been developed to control electric underfloor or water heating or water/gas boiler system. These units are designed for use in commercial, industrial, civil, and domestic properties.

Dimension of your thermostat



Home screen quick reference



Technical Data of your thermostat

Sensor：NTC Accuracy：±1℃
Set Temp. Range：5-45℃
Room Temp. Range：5-99℃
Power Consumption：< 1.5W Timing Error：<1%
Power Supply：95 ~ 240VAC, 50 ~60Hz
Current Load：3A（water heating, water/gas boiler), 16A（electric heating)
Shell material：PC+ABS (flame retardant)
Dimension：86x86x13.2mm
Ambient Temp.：0-45℃, 5-95%RH（Non-condensing）
Storage Temp.：-5-55℃
Installation Hole distance: 60mm

Operation/programming of your thermostat

1. Power on/off

Press to turn on/off.

2. Adjusting/setting the temperature

Press or to set the desired temperature.

3. Adjusting/Setting the clock

Touch the button to set minute, hour and weekday (1 = Monday, 2 = Tuesday etc.) by using the or arrows. Press once more to confirm and exit.

4. Locking your thermostat

Press and hold the and arrows for 5 seconds to lock/unlock your thermostat.

5. Mode setting

Touch (mode) button to change between manual mode and program mode. In manual mode, the icon will show in the screen. In the program mode, the icon will show in the screen.

6. Adjusting the weekly programmable

Your thermostat provides six scheduled heating periods each day, you can set them freely.Under the power on situation, press and hold and buttons together for 5 sec, in to weekly programming mode, Then press to change the different items.
Press or to set the relative values.
The order is Time adjusting→ Temperature adjusting→ Period setting → week adjusting (“12345”,”6”,”7”, is “5+1+1” programmable mode, every mode has six times zones and six times temperature setting).

Default setting for program schedule

Time display	WEEKDAY (MONDAY – FRIDAY)		WEEKEND (SATURDAY)		WEEKEND (SUNDAY)	
	TIME	TEMPERATURE	TIME	TEMPERATURE	TIME	TEMPERATURE
Period 1	06:30	21℃	06:30	21℃	06:30	21℃
Period 2	08:00	18℃	08:00	18℃	08:00	18℃
Period 3	11:30	21℃	11:30	21℃	11:30	21℃
Period 4	12:30	18℃	12:30	18℃	12:30	18℃
Period 5	18:00	21℃	18:00	21℃	18:00	21℃
Period 6	22:30	16℃	22:30	16℃	23:00	16℃

In the mode of programmable, only the temperature can be adjusted temporarily, the time could not be adjusted.

7. Open window detect function(OWD function)

When the Open Window Detect(OWD) mode is enabled in the parameter setting, the system will automatically stop heating when it detects a sudden drop of room temperature (2°C in 5 minutes as default). This is normally caused when a window or door is opened without turning off the heating device.

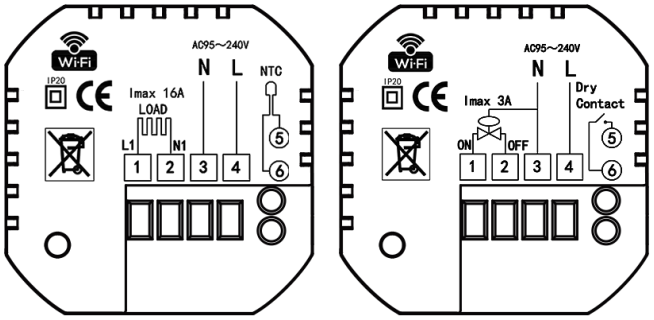
In order to save energy，the device will turn off heating and the icon will show on the screen automatically, it will return to the previous mode of operation after 30mins, then the icon disappear. Press any button will exit OWD function during the heating off period.

Advanced setting

Under the power off status, press and simultaneously for 5 seconds for coming into the advance setting mode, the screen will display all the related No. & dates, then press or for dates, change, then press to come to the next setting, All of the parameters will be kept in record after press after finish setting.

Code	Option	Default parameters	Details
1Adj	Room Temperature compensation	-2	-9℃~+9℃
2Sen	Sensor type	In	I n：internal sensor（to control and protect the temperature） OU：external sensor（to control and protect the temperature） AL：internal/external sensor （internal sensor is for room temperature controlling, external sensor is for temperature protection）
3Lit	Temperature limitation	50.0	5~60℃, the sensor should choose AL,when it detect the temperature is higher than this limitation,it will close the output and only the temperature lower the limitation, the output will resume.
4dif	Switching Deviation	1	0.5~5℃
5Ltp	Anti-freezing function	Off	On：start the Anti-freezing function Off：closed the Anti-freezing function
6Hit	temperature upper limit setting	45	35~95℃
7OEN	Open window detect function (OWD)	OFF	On：start the OWD function Off：closed the OWD function
8Otl	OWD Detect Time	15	Range：2~30min
9Otp	OWD Drop temp. select (within detect time)	2	Range：2~4℃
0Pdt	OWD Delay time select (Return to previous working status)	30	Range：10~60min
AFAC	Factory Reset	-	when show"-"and keep press " " for seconds until show "- - -", it means return to the restore factory reset

Wiring your thermostat



H　　WG

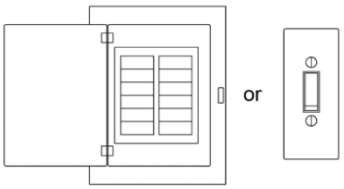
Please note:

Do not over-tighten the terminals in your thermostat as damage may occur.
H for electric heating, External Sensor is optional.
WG for water & gas boiler.

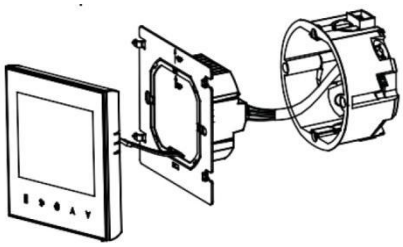
Installing your thermostat

This product is suitable for standard 86mm wall box or European 60mm round box.

1. Keep power off.

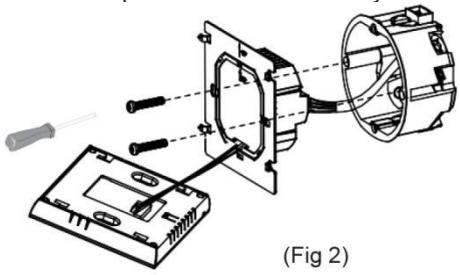


2. Connect the wire of power and other equipment into the terminals.



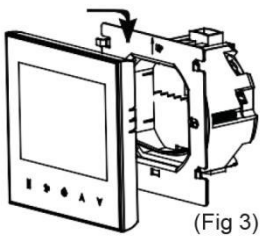
(Fig 1)

3. Fix the wall plate into the wall box by a screwdriver

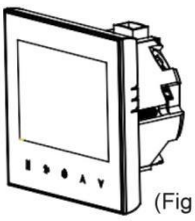


(Fig 2)

4. Connect the LCD board into the wall plate.



(Fig 3)



(Fig 4)

4. Finished.

WARNING: Please arrange the professional technician to install this product according to installation drawing and instruction.

RISK OF ELECTRICAL SHOCK. Disconnect power supply before making electrical connection. Contact with components

carrying hazardous voltage can cause electrical shock and may result in severe personal injury or death instruction.

WiFi Connestion(FOR WIFI MODELONLY)

Before using your WIFI thermostat for the first time, you must configure the WIFI signal and setting through your smart phone or tablet. This will allow communication between your connected devices.

Step 1. Download your App

For IOS devices, search for Smart Life/Tuya Smart in Apple Store and download.

Fig 1-1 Smart Life App

Fig 1-1 Tuya Smart App

For Android devices, also can search for Smart Life/Tuya Smart in Google Play and download.

Step 2 Register and log in your account

Open your Smart Life/Tuya Smart, you will get a page of Log In and Sign Up. Press Sign Up and enter your phone no. or email (Fig 2-3) then you can get a verification code. Input your password and confirm to complete your registration. If you have account, please log in(Fig 2-4).

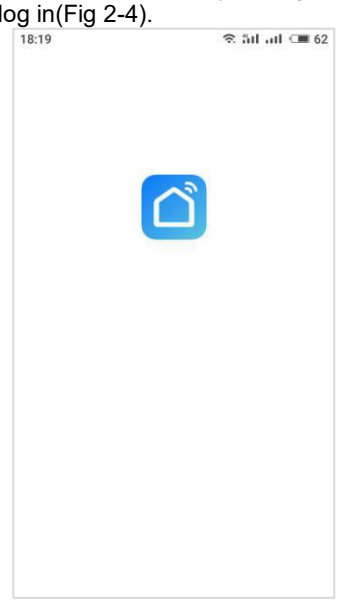


Fig 2-1

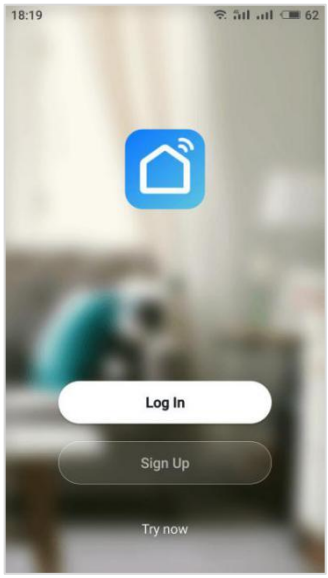


Fig 2-2

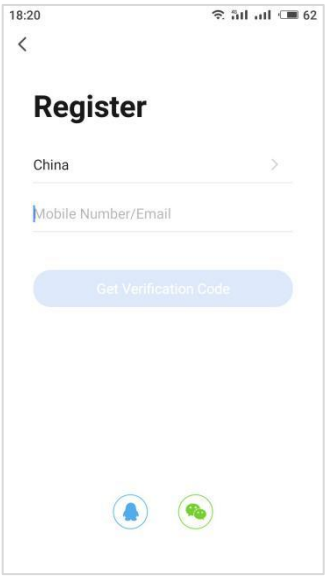


Fig 2-3

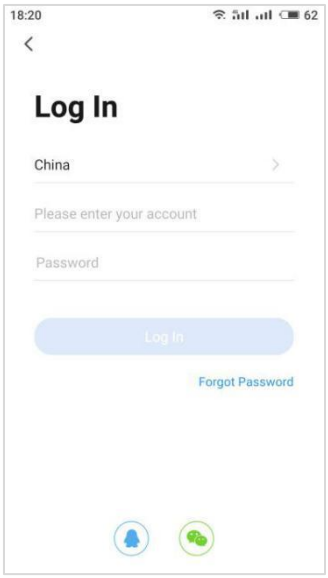


Fig 2-4

Step 3 Connect your Wi-Fi signal On your thermostat

With power on, press and together and hold the for five (5) seconds, The icon will flash.

Then, go back to the home page of your app

Press the + on the upper right corner of the page (Fig 3-1) to add your device. Select “Small Home Application”, then click and “Thermostat” (Fig 3-2), then select your network and back to your app to enter the password of your wireless router and confirm, the app will connect automatically(Fig 3-3). This may typically take up to 5~90 seconds to complete(Fig 3-4).

Your room name could be edited when the device is connected.

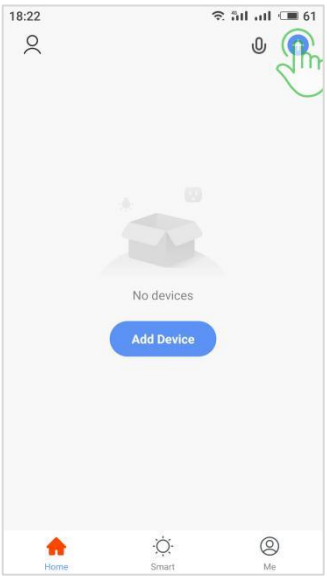


Fig 3-1

Fig 3-2

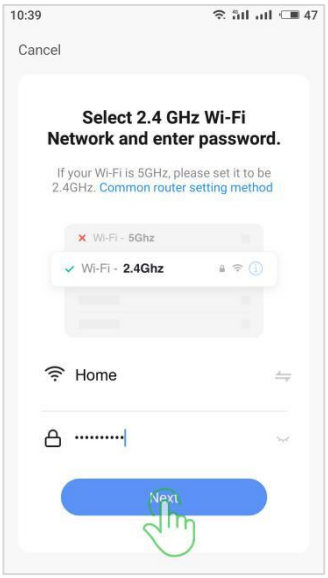


Fig 3-3

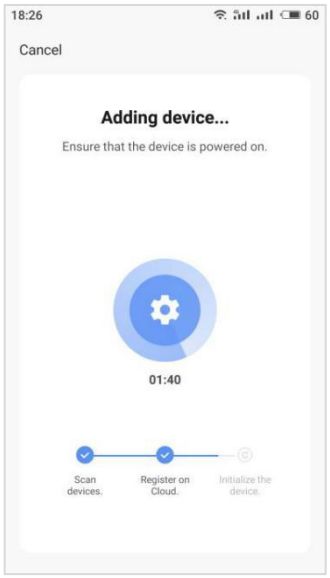


Fig 3-4

When your room is established successfully, it will display on the home screen, the function of the buttons are as the following:

Power on/off button, press it to turn on/off the thermostat.

Mode button, press it to switch the thermostat between “Manual mode” and “Programming mode”.

Week program setting button, press it to setting the week programming.

Advanced setting button, press it to set the advanced settings.

PROGRAMMING YOUR THERMOSTAT IN THE APP

After WiFi connected successfully, press on the app main control interface(Fig 4-3), clink “Week Program” to enter weekly programming setting(Fig 4-4).

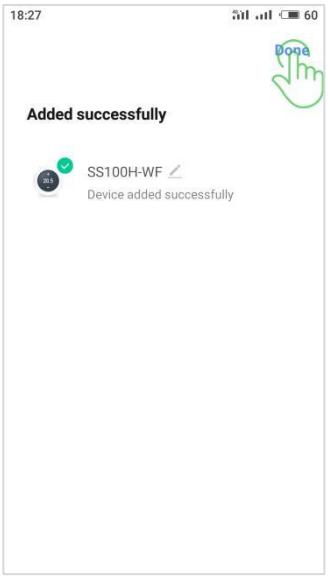


Fig 4-1

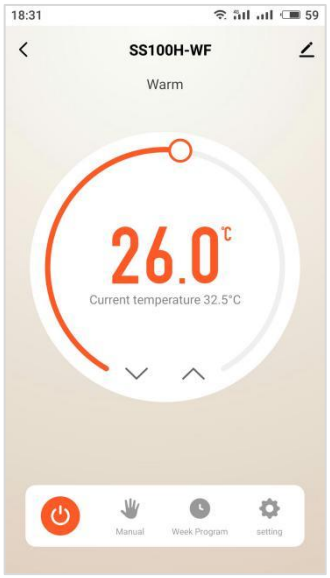


Fig 4-2

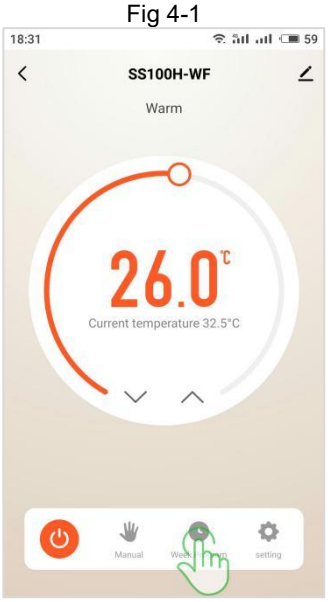


Fig 4-3

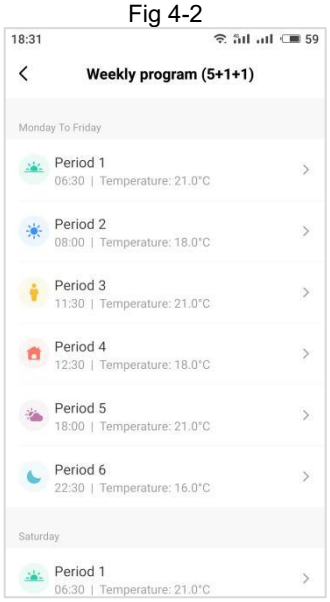


Fig 4-4

How to share the device?

Press the upper right corner button in the main control interface into the page(Fig 5-1). Clink “Share Device” (Fig 5-2) to add the account you want and confirm.

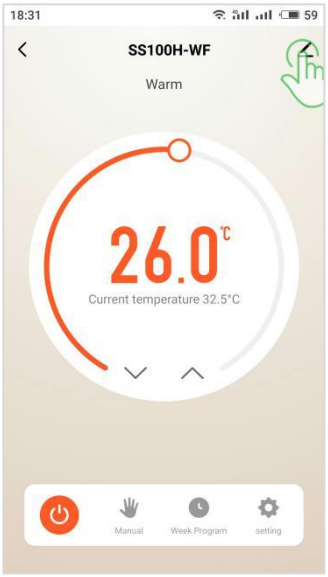


Fig 5-1

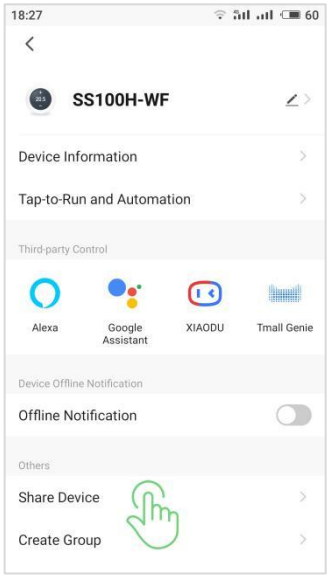


Fig 5-2

How to set the advanced setting?

press ⚙ in the app main control interface(Fig 6-1), clink “Setting” to enter advanced settings(Fig 6-2).

Please note, in order to prevent misoperation, the advanced settings can be set and saved only when the thermostat is turned off.

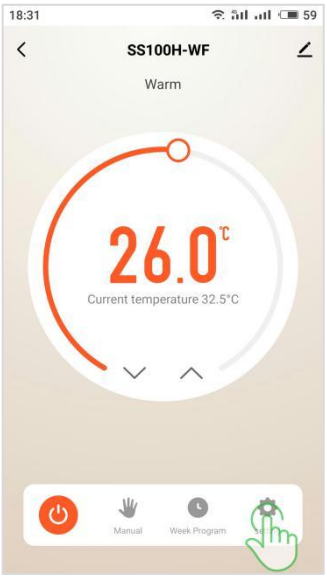


Fig 6-1

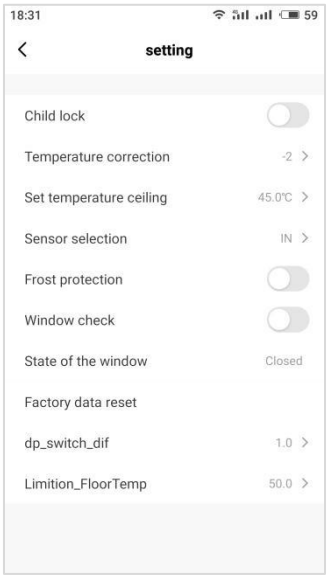


Fig 6-2

How to connect your thermostats to smart voice assistant?

Press the upper right corner button in the main control interface into the page(Fig 7-1). Select and click the smart voice devices you want to add, and follow the prompt steps to connect.

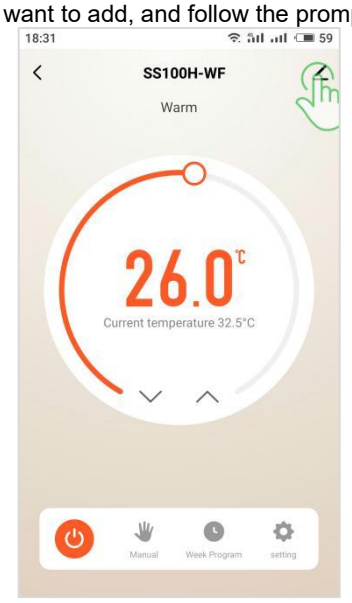


Fig 7-1

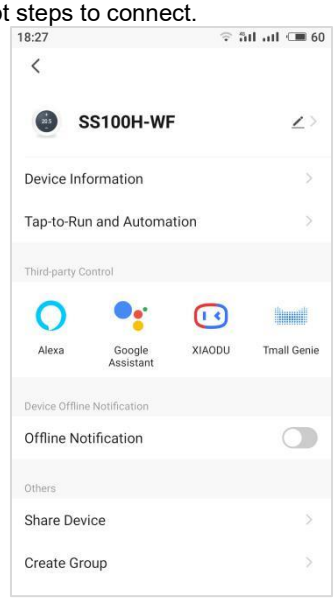


Fig 7-2

SIMPLE EXCEPTION HANDLING

No.	Phenomenons	Handling
1	Power is on but without display.	* Check if the terminals between LCD panel and Power Unit Box is loosen.
2	Without output but display works.	* Use a new LCD panel or new Power Unit Box to replace the old one.
3	Room Temp. Is a little different from the actual.	* Do temperature calibration in item 1 of Advanced Setting

SERVICE

Your thermostat carries an 24 months warranty from date of purchase. Service outwith the warranty period may incur a charge. More detail please contact with us directly.