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Intelligent control panel - Cover page

ADVANCED CONTROL PANEL
3007
and
3008

Control Panel basic features.

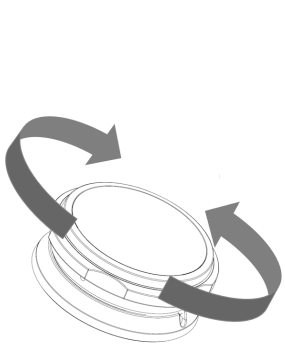
Intelligent Control Panel

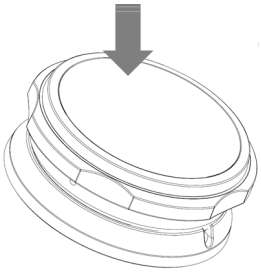
There are two different control panel models : 3007 and 3008.

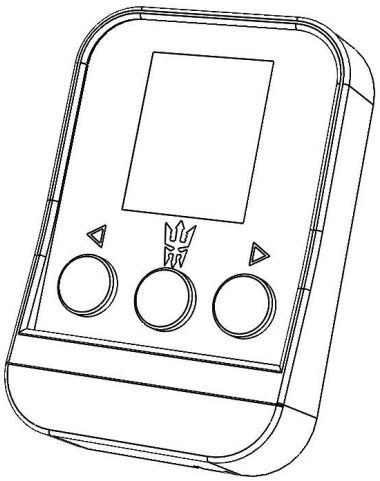
3007 Control Panel is operated by rotating the Control Ring and making selection by pressing the button in the top of the display.

3008 Control panel have buttons.

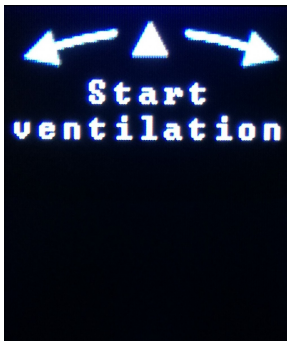
At first, make sure that the Intelligent Control Panel is assembled correctly with the assembly plate (see assembly instructions from sales package). And connected into the Wallas unit. This manual refers to Control panel SW 1.2.75. And heater SW 1.6.64

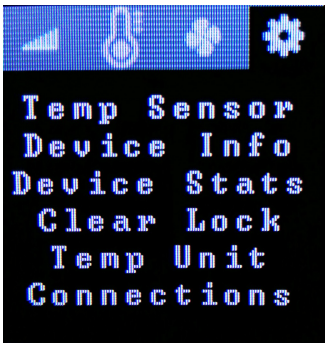






After powering the panel for the first time, turn the control ring or press buttons and your display will appear similar to the images below.

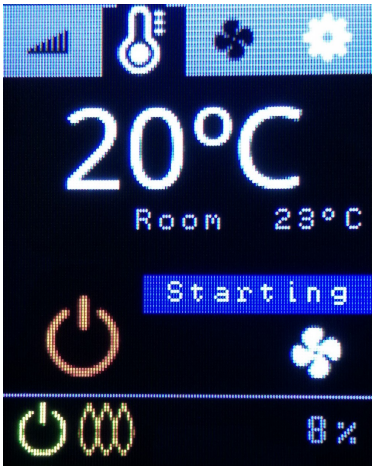


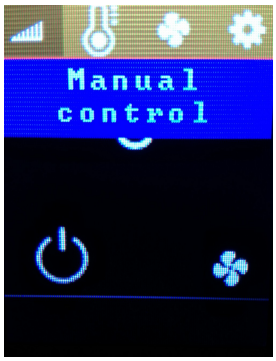
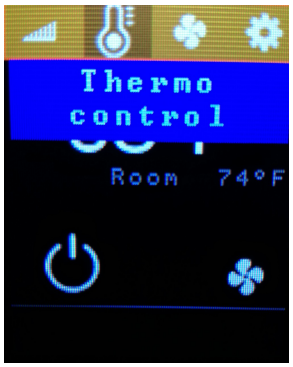
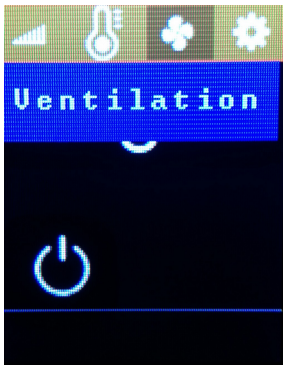
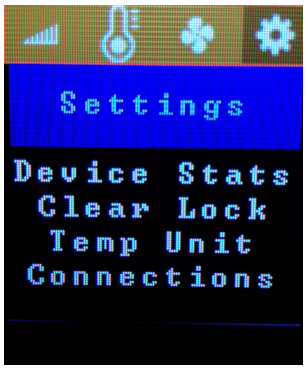


Wiew modes by rotation control ring/or pressing buttons to right or left side.	Select a function by pressing the button	Last mode is settings (gear) when selected this dislays is shown.	

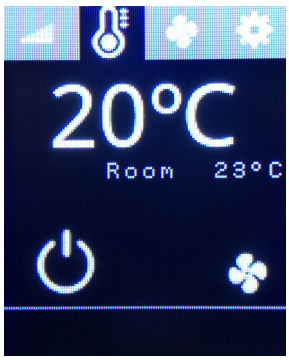
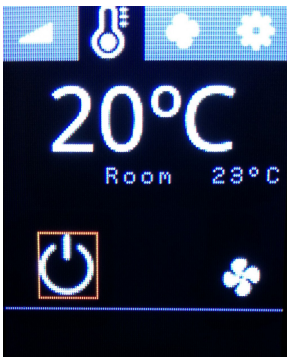
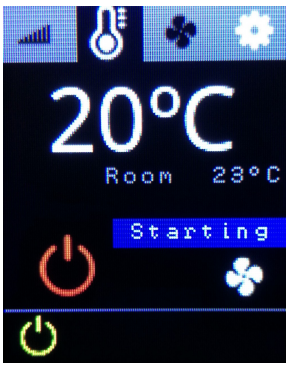
Note: Wallas unit's starting procedure will take few minutes (5-8 minutes). To get familiar with the Control Panel's functionality, select Settings Menu (gear icon).

By pressing the button again it will open the main menu displays.

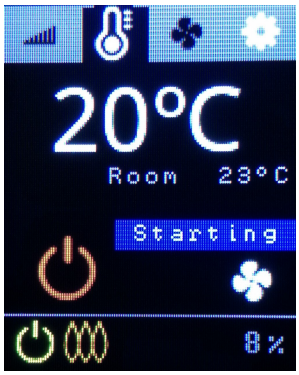
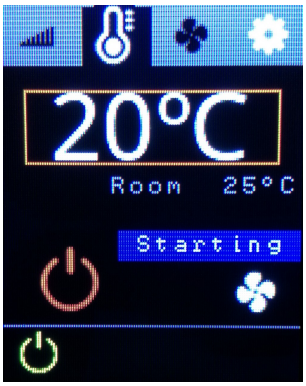
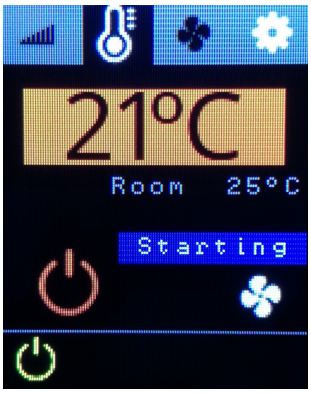
Display areas:		Main menu (selectable) Temperature target (selectable) Room Temperature Heater status, indicates heater state.(starting,stopping,etc..) ON/OFF and ventilation fan boost (selectable) Info bar : On/Off , flame, info, lock, heater power %	

			
Manual control - heater power is manually controlled - power levels 1-6 (6 is highest)	Thermo control - set the desired target temperature - heater controls the power level automatically	Ventilation - ventilation fan speed is set - speed levels 1-6 (6 is highest)	Settings - See details below

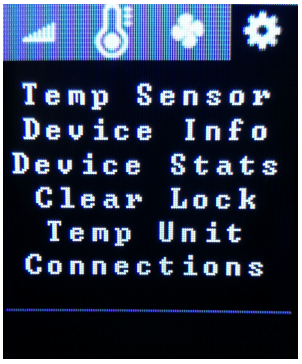
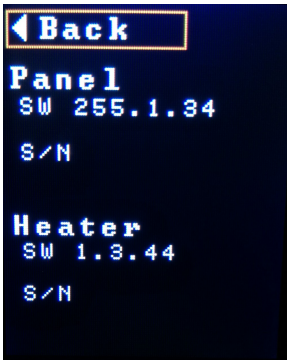
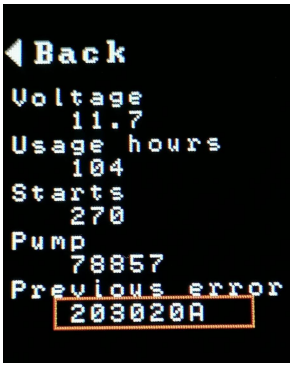
Example: start heater in thermo control mode.

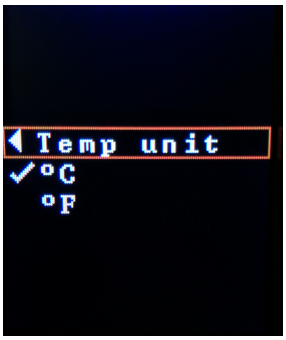
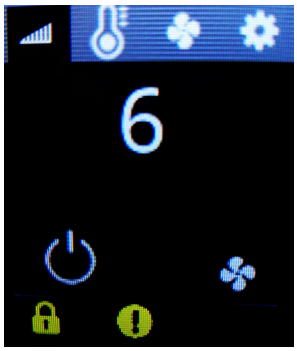
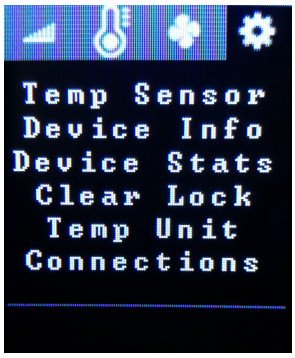
			

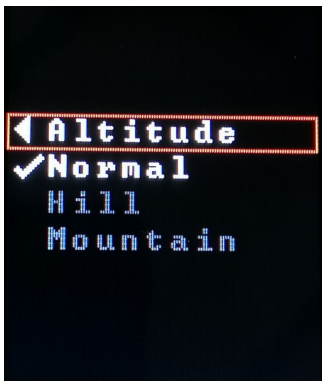
Select thermo control mode from the top menu.	Rotate to set the orange selection square around the start icon and select.	Confirm selection with long press on top of panel. (long press is for child safety)	Device is started and *starting* indication text is shown. Device is stopped by selecting Start/stop icon again and long press. (Pressing select button more than 6 seconds will stop the heater)

			
After few minutes heater is ignited and flame indicator is shown. Heater will start increasing power.	Scroll the selection square around the temperature target and press the button.	When temp selection is active and you can change temperature target setting by rotating the Control Ring.	

Settings:

			
Settings menu - you can scroll and select the row. For example, select " Temp Sensor".	Temp sensor -wired is sensor hardwired to heater unit. - wireless sensors are listed by sensor address. -when wireless sensor is selected it gets running number ID.	Device Info - shows you heater software versions.	Device Stats - shows you heater statistics. - heater voltage - last error message

			
Temp Unit - select temperature unit Celcius / Fahrenheit.	Connections - clear all bonded mobile phone devices.	Lock is safety feature. - if error message "Device locked" is shown and lock indicator is displayed. - CHECK the heater for any fuel leaks or other problems and fix them before removing locked state by selecting "Clear Lock"	Remove safety Lock by selecting "Clear Lock" from settings menu.

			
High altitude switch. Heater operation can be optimized to different altitudes.	ERROR message - If something goes wrong, there are many error messages, and they are shown immediately when error happens. - If there are three errors in a row the Wallas unit will be Locked for safety reasons.		

Wallas Remote application with local and WiFi connection.

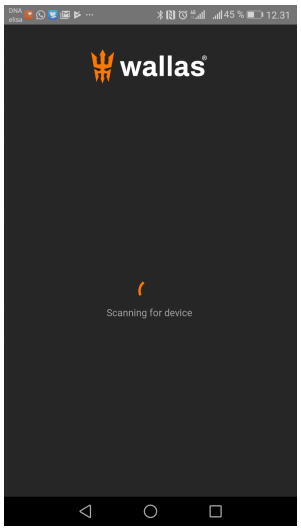
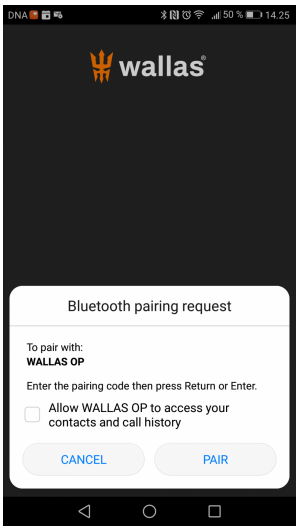
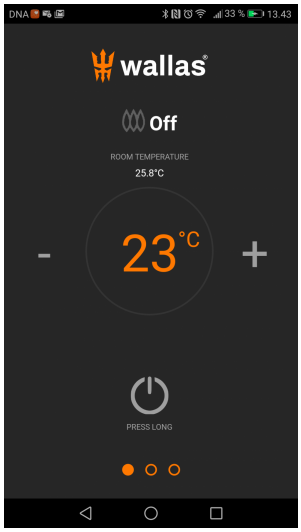
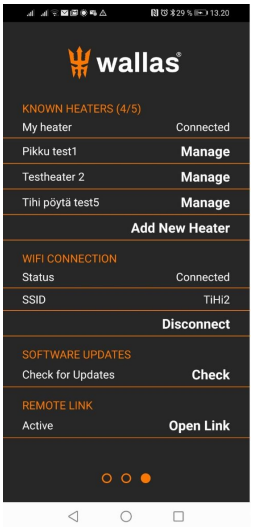
3007 and 3008 Control Panels can be operated by Android and IOS("**Wallas Remote**") mobile application with local and WIFI connect.

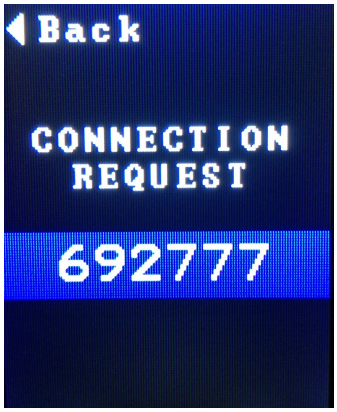
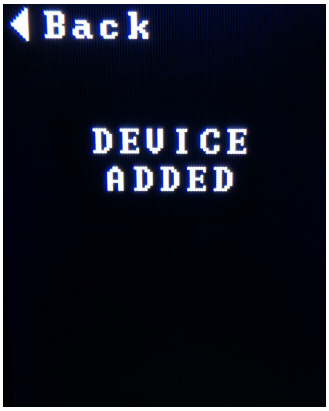
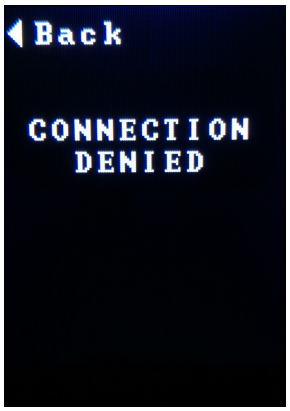
Local Connection

First you need to download the Wallas Remote application to your mobile device from your application store.

When you start **Wallas Remote** first time it will search if there is a Wallas heater with 3007 or 3008 Control Panel in range.

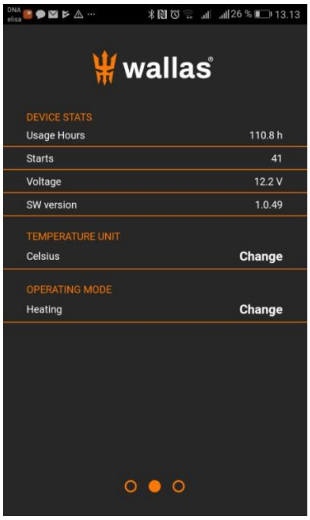
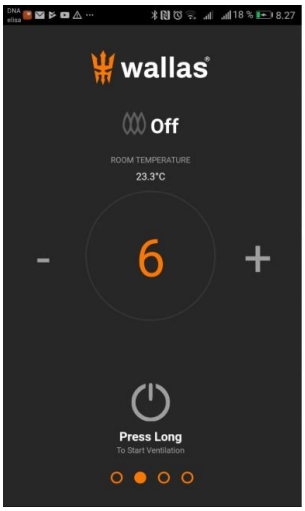
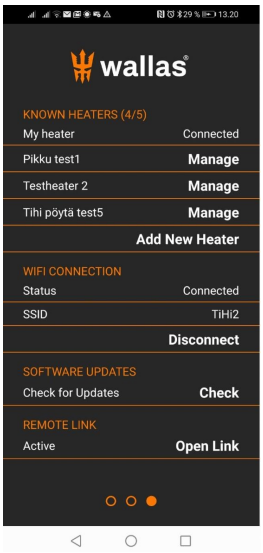
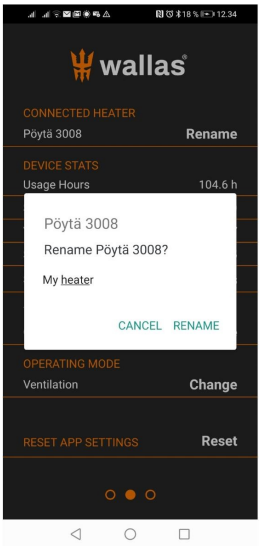
When it locates the heater it will start bonding process between heater and application.

			
First time connected application search for near by heater.	When heater is found : -fill PINCODE from Control Panel display. ** Note in some phone models pairing window opens in background.	After connection is ready: -Set room temperature target. -Start heater.(press ON)	When you start application and heater is not in BT range you can operate heater by opening the "remote link". Note: your heater must be connected to the internet.

- Control panel will display pin code. ** - you need to give this pin code into your mobile device.	Control panel will tell when bonding was successful.	- If connection is not free (someone else is already using the connection) remove old connection first from Control Panel . (settings / connections/ remove) NOTE: Heater can have only one active control connection.

After pairing mobile application and control panel will remember connection when you re-enter into operating range.

			
Heater OPERATING MODE can be selected from application. Select: "Heating" or "Ventilation". RESET APP SETTINGS will reset the application.	Application ventilation power can be adjusted 1 to 6 (highest). NOTE: Heater must be stopped before changing operation mode from ventilation to heating.	Application supports up to 5 different heater connections.	Each heater can have own name. Example rename "Pöytä 3008" . New name" My heater".

WiFi Connection

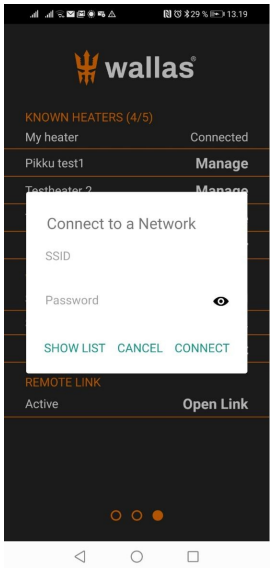
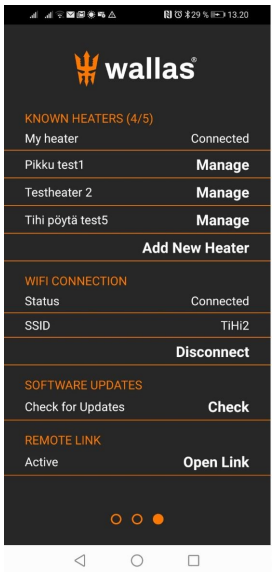
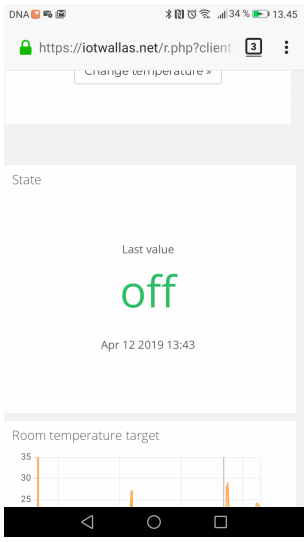
Control panel can be connected to the internet with WiFi connection.

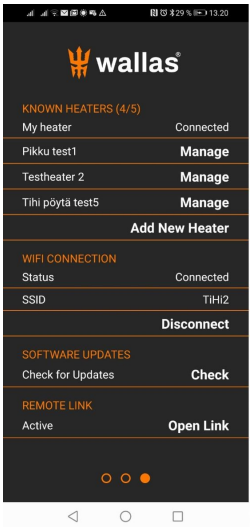
You can then operate your heater with the " **Wallas Remote**" application trough Internet.

Wifi connection is created trough Wallas Remote application . (Local connection between application and Control Panel must be available before setup)

When you first time select connecting, application will ask SSID and Password. Application will share this information with Control Panel.

NOTE! If you sell heater or give it away you need to clear Wifi settings. (SSID="empty", password="empty") . You should remove wallas application from you device.

			
Feed your internet connection details.	When internet connection is finalized status will be "connected" After few minutes " REMOTE LINK" will appear . NOTE: This is link for your personal use do not share this link with 3:rd party.	"REMOTE LINK " display will connect to internet panel. You can : - set room temperature target - start /stop your heater Note: heater start and stop can take several minutes.	From "REMOTE LINK" you can see when heater was last connected into internet, and what is the heater state. You can see some statistics of your heater. Available graphs will vary depending of your heater model.

			
Note! Before you can operate heater, you need to read safety warnings and agree them.	When you start application and heater is not in range you can operate heater by opening the "Remote Link". Note RESET APP SETTINGS will reset the application. (all heaters)		

Wallas-Marin reserves right to develop application useability and features.

Connections tips:

1. Read your mobile device user guide how connections and Wifi connections are managed in your device.

2. Make sure your mobile device local connections and WIFI is allowed in you mobile device . (flight mode is OFF)

3. Check that your mobile device is not in power save mode and location permission is given to Wallas application.

4. Check that heater is connected into power and Control panel is connected into heater. (3007 Rotate panel control ring , lights on)(3008 press button)

5. Check that distance between Mobile device and Control Panel is not too long for BT connection.

6. Control Panel is not in use by other person, (only one active local connection can operate panel at time.)

7. If you mobile device has allready connection into heater it can not create new before old connection is removed from you device. In some phone models this has to be made manually. Remove "WALLAS OP" from your phones paired BT devices list (note there might be several OP pairings in mobile device list, remove all) and restart Bluetooth before new pairing is possible. This may be the case if control panel pairing code only blinks fast and you mobile device is repeating the connection requests.

8. Change connection to other Wallas heater. (OLD SW versions)

- close Wallas remote application .

- remove old connections from you mobile device bluetooth paired devices list. Resatart you devices bluetooth.

- if there is no other users for new Wallas heater you can select Control panel menu Settings/ Connections/remove all

- Restart application. When/if "Change Device " link appears (30-60 sec) press the link.

- Wait connection procedure to finalize. Note in some phone models Pairing request will open in background info window. (See you mobile devices user guide.)

Software update

Software updates are recommend to check and do annually to ensure optimal heater performance.

Before software update:

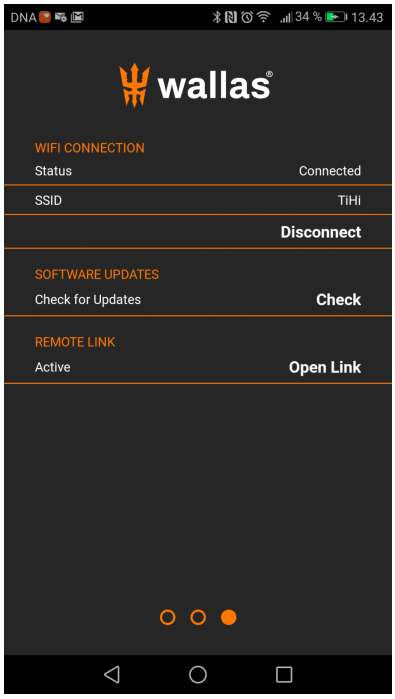
- check that unit and cell phone have sufficient level of power in battery

- check the WiFi and internet connection

- be prepared to disconnect control panel cable, or heater power to make master reset to the system.

SW update is a complicated process, and something may happen during the update, example :sudden network failure, which can effect to you boat heating.

Therefore it is forbidden to start SW update for control panel if the Wallas heater is the only heat source and being unable to start heater would create a danger.

	For SW update make sure you have strong and reliable wifi signal. Wifi HotSpot name (SSID) is visible in application page and status is "Connected". It is advised to turn the heater "OFF" before starting the update. Update may take up to 6 minutes, depending on network and connection.	If new SW version is available "Update link" will appear into display. Select uppdate. Do not close application or heater power while update in ongoing. Control panel display will close and start a few times during the update. After the update is done, control panel will start and application will reconnect to panel. Note in some phone model you may have to re-bonding after SW update again.	Wait 5 minutes update to finish. If update is not succesfull, file error: - start update again after few minutes If update is stopped during download (% count is no 100%) -close application -restart you device BT. - start update again. if update is not able to finish: - find different place, where wifi signal is better or wifi hotspot has better connection. If control panel is jammed during update , disconnect panel cable and try again after few minutes.