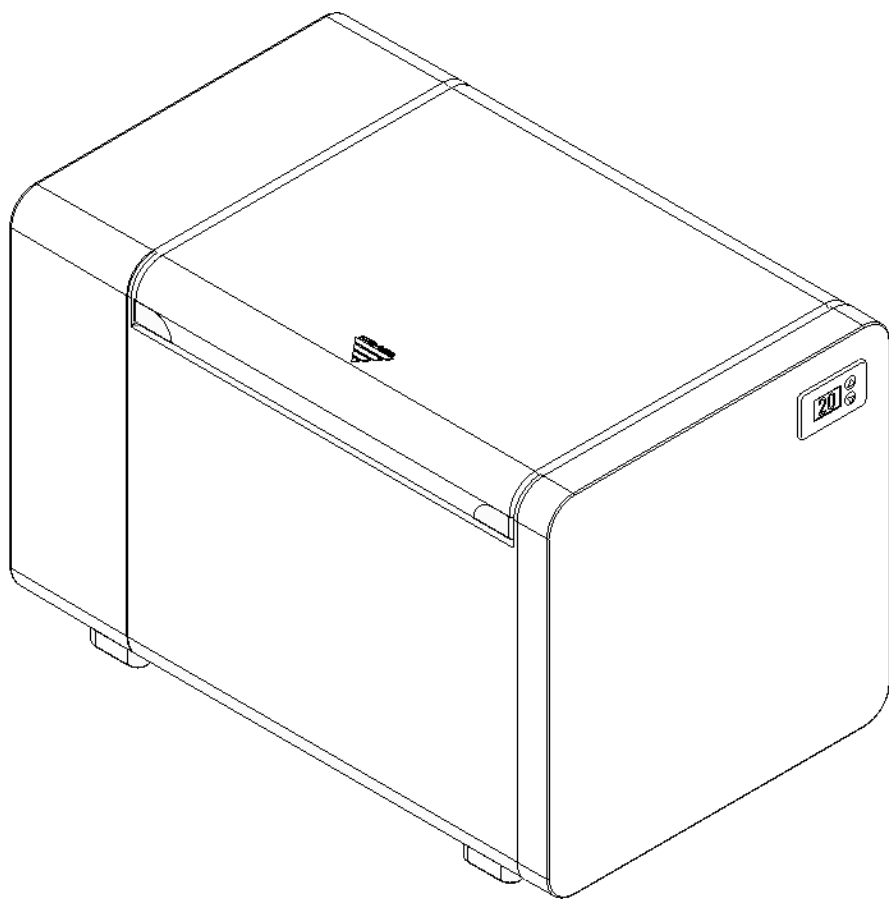


ACUTE TEMPERATURE CONTROLLER

(MODEL NO.: ATC-05)

User Guide Manual (A1)



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DANGER

Failure to follow the instructions, precautions, and safety requirements contained in this manual may result in serious injury, permanent disability, or death.

Before installing, operating, handling, transporting, or servicing this product, carefully read and understand all safety instructions. Do not use this product for any purpose other than its intended use.

The manufacturer shall not be liable for injury, death, or property damage resulting from:

- * Misuse or improper operation of the product;
- * Failure to follow instructions and safety warnings;
- * Unauthorized modification, repair, or alteration of the product;
- * Use of incompatible components, accessories, or materials.

If any instruction is unclear, stop using the product immediately and seek guidance from the manufacturer or an authorized representative.

 **WARNING** Indicates a risk of serious injury or risk in life if the product is handled incorrectly.

 **CAUTION** Indicates that minor or moderate injury may happen, if handled improperly.

 Indicates prohibited action.

 Indicates mandatory action.

2.1 Description

Acute Temperature Controller (ATC-05) is a smart, eco-friendly and low powered portable refrigeration device which maintains a precise constant temperature inside the chamber for storage & transport.

The product can operate on an alternative power source (automobile auxiliary power) while maintaining a constant chamber temperature. If alternative power is unavailable, it can run on battery power and continue to maintain the chamber temperature.

2.2 Technical Specification

1	Product Size	425 (W) X 285 (H) X 268 (D) mm
2	Product Weight	Approx. 8 Kg
3	Inside Volume	160 (W) X 207 (H) X 175 (D) mm (Approx. 5.7 Ltr)
4	Cooling Method	Thermo-Electric Cooling Method by Peltier
5	Operating Ambient Temperature	Up to 45°C (Maximum)
6	Temperature Setting Range	Settable [20°C~40°C]
7	Operating Voltage	12V DC
8	Main Power Supply (Source)	12V DC Battery Charger & Li-Ion Battery
9	Alternate Power Supply (Source)	Automobile Auxiliary Power
10	Li-Ion Battery Capacity	7800mAh
11	Product Monitoring	Bluetooth Application with its connection with smart phone (Android only) as well Temperature Display
12	Product Run Time On Battery ^[1]	Approx. 6Hours @ 7800 mAh
13	Battery Charge Time ^[2]	Approx. 3 Hours (Full Charge)
14	Power Consumption	Maximum 60W

[1] Approx. 3 hours product run time on battery is at test condition of 25°C ambient temperature, 20°C set temperature & with no-load after achieving stable temperature inside the chamber (with 12V DC battery charger)

* Run time on Battery may vary depending on the ambient temperature & battery charge available.

2.3 Salient Features

- $\pm 1^{\circ}\text{C}$ temperature controlling accuracy
- Adjustable Temperature Range (Settable from 20°C to 40°C in 1°C step)
- Alarm/Error display/buzzer warning system to indicate abnormal condition
- Door open alert system (A continuous buzzer sounds if door remains open for more than 1 minute)
- Bluetooth connected smart application to monitor & record inside controlled temperature as well input power voltage
- On-product display to monitor inside temperature
- Hazardous free operation
- Manual locking feature to prevent unauthorized access. **

** Optional Feature.

3.1 List of Items

Following items are with product:

No.	Items	Quantity
1	Acute Temperature Controller Product (ATC-05)	1
2	Battery Charger	1
3	Auxiliary Power cord for car	1
5	User Guide Manual	1

3.2 Inspection

Inspect the product upon delivery to help prevent warranty-related issues.

No.	Check-list Points	Status (OK/NOT OK)
1	Check the product packaging to see if the seal is opened or damaged	
2	Check the product if any physical damage or configuration change (Color, Model, Features, etc.)	
3	Check the functionality/workability of product	
4	Check if any accessories of items are missed	



In case of any damaged or missed items, please contact to Texeg India Pvt. Ltd. immediately & do not use the product till the time solution provided by the company.

Usage Dos:

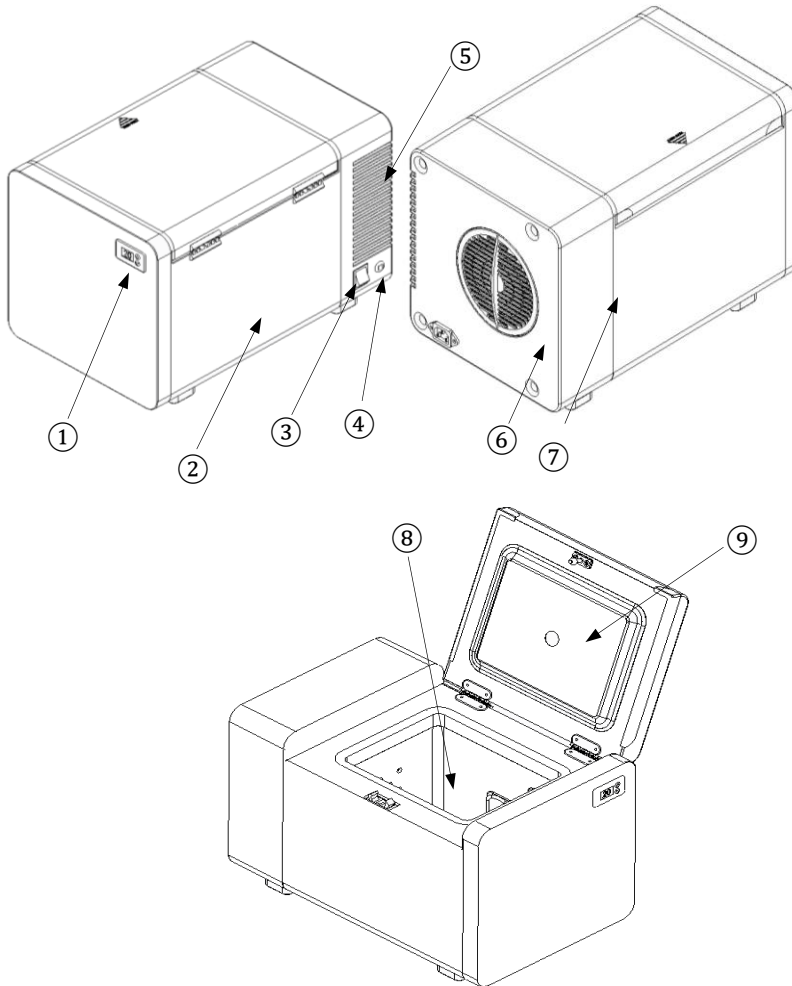
- Keep the product clean.
- Use a micro fabric cloth to clean dirt/dust from the surface of the product.
- Keep the product away from the reach of children, neonates or pets.
- Always switch off the power & disconnect the AC adapter (battery charger) from the product before initiating cleaning.
- Clean the air inlet once in every two weeks as per recommended cleaning guidance (Page No-16).
- If condensation occurs inside the chamber, wipe it off using dry soft cloth.
- Keep the AC adapter and cable in a safe place where no one is likely to step on them or trip over them.
- It is advisable to unplug the AC adapter from device anytime the product is not in use.

Usage Don'ts:

- Do not store the product in damp or unprotected spaces.
- Do not put liquid, semi-liquid or other solid phase items inside the aluminum chamber directly.
- Do not stack any items on top of the product or on the charger.
- Do not let any items to lean over the product.
- Do not wrap the product in plastic while in use.
- Do not disassemble, repair or modify the product. This can cause damage or a short circuit, potentially leading to a fire or injuries.
- Do not aggressively bend, pull, twist, bundle and pinch the charger cable. This can damage the cable resulting in an electric shock, ignition or fire.
- Do not place heavy things on power cable, which may result in short circuit, fire & injuries.
- Do not touch the product or any cables with wet hands.
- Do not wash the product or expose it to water. Water droplets from the air inlet or outlet getting into the product can cause a short circuit, leading to a fire or failure.
- Do not use the product if the AC Adapter is loose with gap.
- Do not use to store &/or transport any living object/thing/species.

5.1 Product Part Detail:

The various parts of products are as below:



[Image-1]

1- Temperature Display

2- Outer Body

3- ON-OFF Switch

4-Vehicle Power Input Connector

5- Air Outlet

6- Battery Charger Input Connector

7- Filter (Air Inlet)

8- Inside Chamber

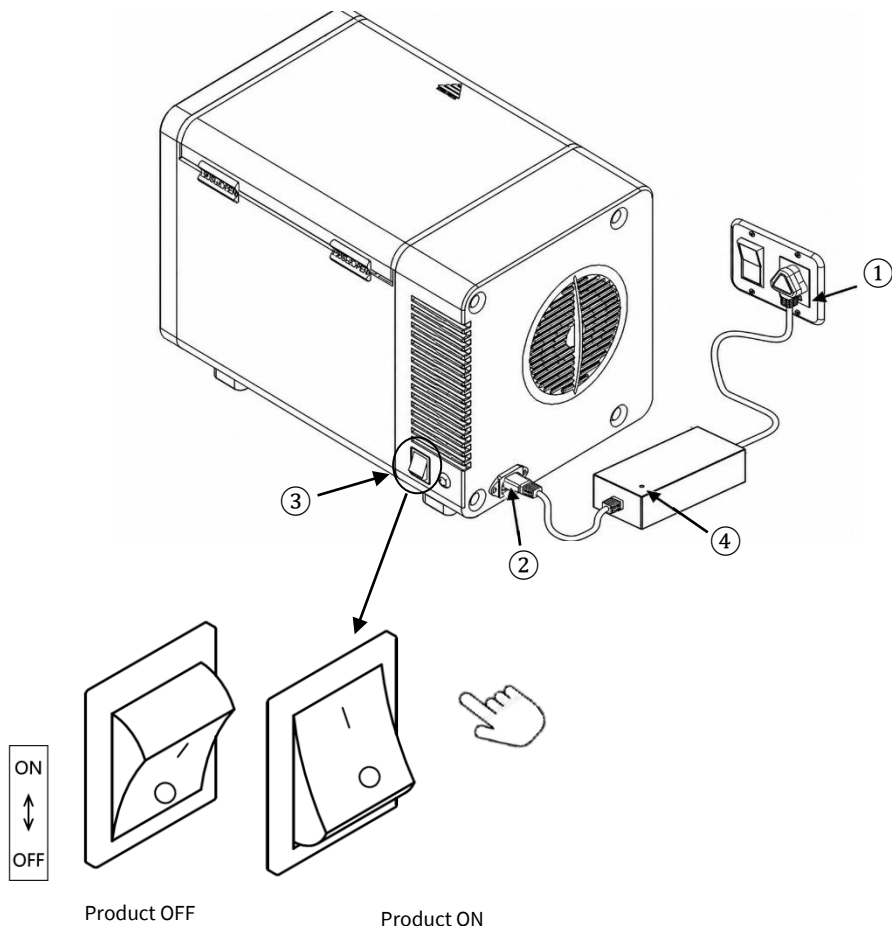
9- Door

5.2 Product Usage:

5.2.1 Device ON/OFF:

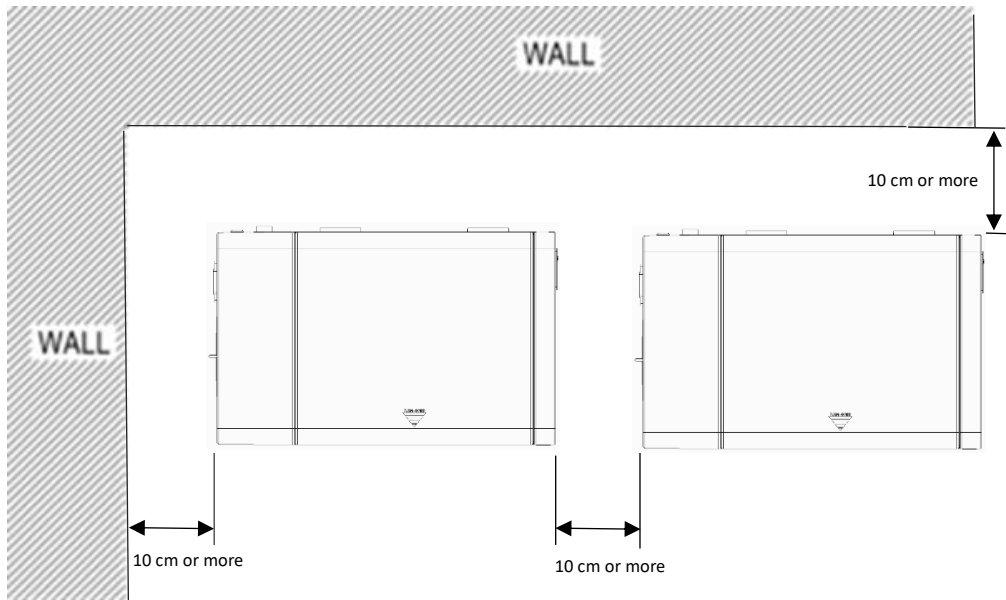
Steps to be followed to make device ON/OFF:

1. Keep the product on dry, clean & flat surface.
2. Connect the battery charger with 220V power supply socket (Image-2-①).
3. Connect the battery charger with product (Image-2-②).
4. Turn ON the power switch of 220V power supply socket.
5. Turn ON the product switch (Image-2-③).
6. Temperature display turns ON as well the red LED gets on in battery charger (Image-2-④).



[Image-2]

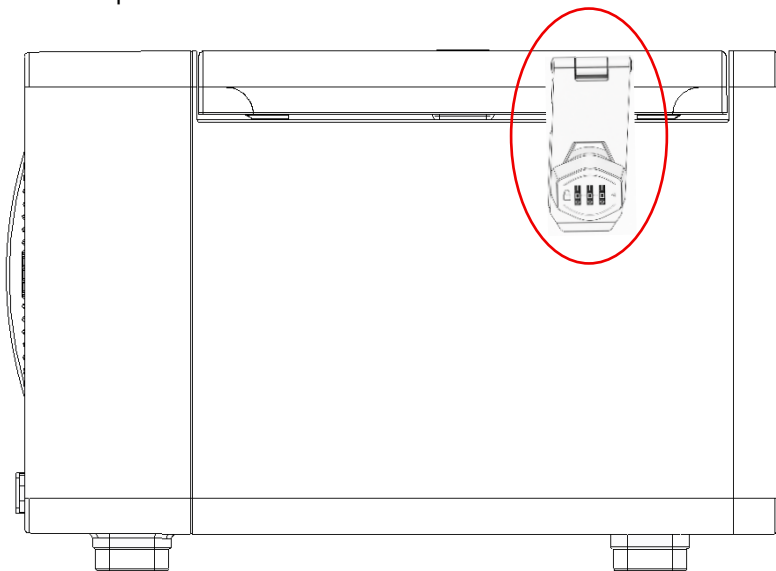
i Keep the product in a place with approx. 10 cm or more open space around as shown below.



[Image-3]

5.2.2 Additional Features

An additional password-protected manual locking mechanism has been incorporated to enhance product security, ensuring that the product can't be opened by unauthorized person.



[Image-4]

1. Operation of Lock:

To Open the Lock:

- Rotate the number dials to align with the correct preset password.
- Ensure all digits are properly aligned with the indicator mark.
- Turn the knob in the indicated direction.
- The lock gets release and can be opened.

To close the Lock:

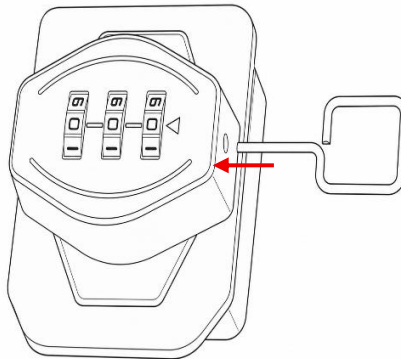
- Close the latch or door securely.
- Turn the knob back to its original position (if applicable).
- Scramble the number dials to any random combination.
- The lock is now secured.

Caution: The lock cannot be opened if an incorrect password is entered.

2. How to change password:

- Turn the old password (Default: 000). Twist the knob to unlock position.
- Use a pin to press the reset button as shown in above image.
- Set the new password.
- Release the pin from the hole. The password change process is complete now.

Caution: The lock cannot be opened if the password is forgotten.

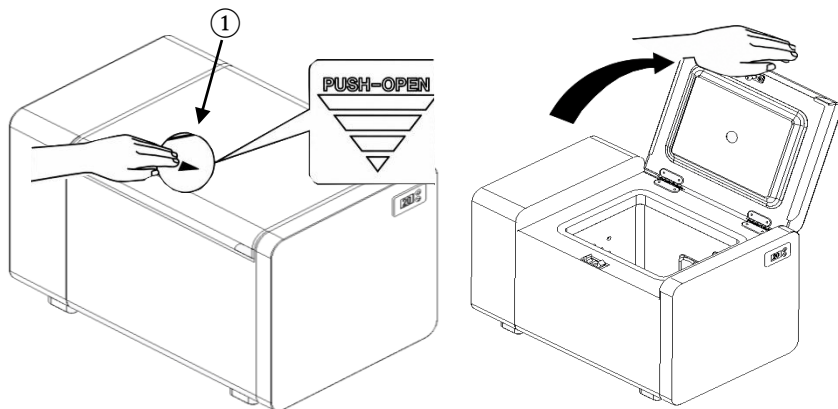


[Image-5]

5.2.3 How to put in/take out the contents into/from the Chamber

Steps to be followed to put in or to take out the contents into/from the cold chamber:

1. Press the PUSH-OPEN button to release the door lock then open it slowly. (Image-6-①).
2. Open the door towards upside.
3. Put the contents inside the cold chamber.
4. Close the door downside.
5. Similar reverse process to be followed to take out the contents from the cold chamber.

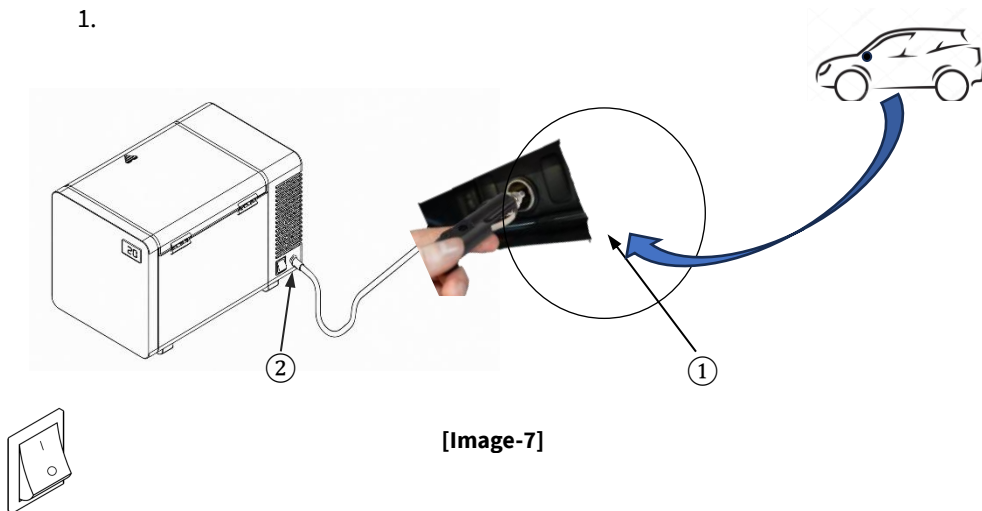


[Image-6]

5.2.4 Product Usage during transportation

Steps to be followed to use the device while transporting in a vehicle:

1. Disconnect the battery charger from the device.
2. Connect one end of Auxiliary power cord to the pre-fixed power outlet socket of a vehicle (Image-7-①).
3. Connect second end of Auxiliary power cord to the device & turn ON/start the vehicle engine (Image-7-②).
4. Start moving towards the destination.
5. After arriving at the destination, turn OFF / stop the vehicle engine and remove the auxiliary power outlet socket.
6. Take the device in a usage area.
7. Follow 5.2.3 procedure to put in/take out the contents into/from the cold chamber.
8. If no further product movement, connect it with battery charger & keep the product ON till it requires. If there is a product movement, follow the steps from-1.



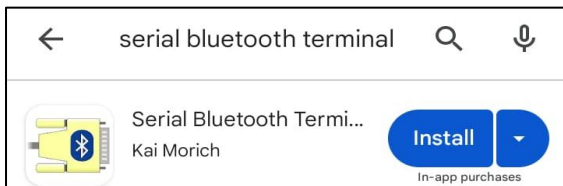
[Image-7]

5.3 Product Monitoring:

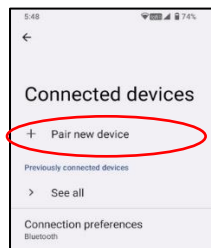
While running/using the product, inner chamber temperature can be monitored by temperature display as well as through Bluetooth connected mobile application.

How to install & connect mobile application with product (For Android only)

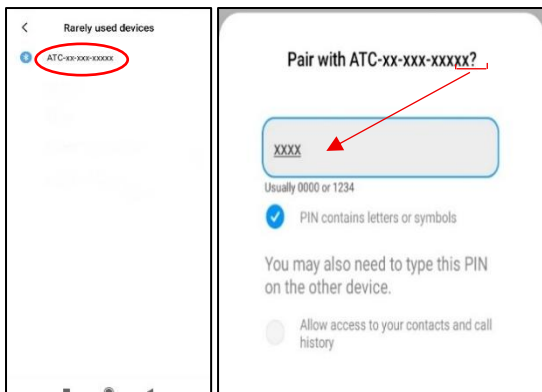
1. Open 'Google Play Store' & search 'Serial Bluetooth Terminal.'
2. Click on 'Install.'



3. Next in mobile "Settings", open Bluetooth setting & click on 'Pair New Device'.

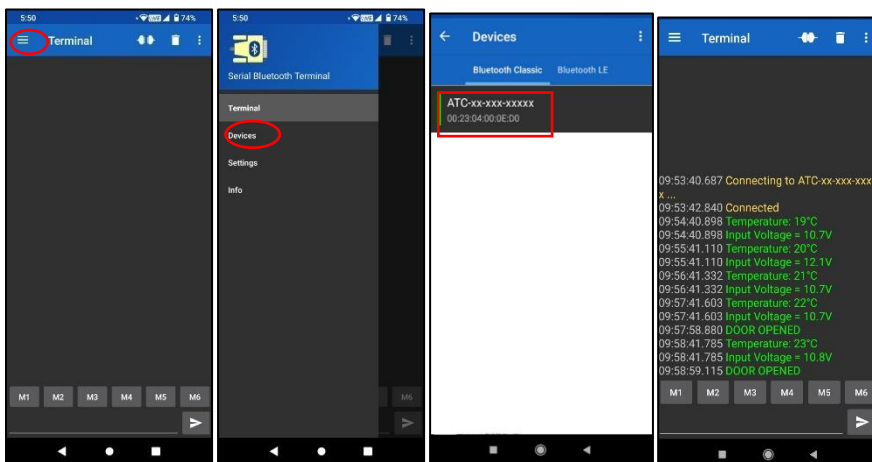


4. From available device list, click on product serial number named Bluetooth & then enter PIN. (PIN is last 4-digit of product serial number). (**Example**, if product serial number is TID-ATC-xx-xxx-xxxxx then Bluetooth name appears as ATC-xx-xxx-xxxxx & PIN is xxxx)



5. After completion of Bluetooth pairing, open 'Serial Bluetooth Terminal' application & follow below steps.

Menu → Devices → Bluetooth Classic → Click on Product Serial Number
(Example, ATC-xx-xxx-xxxxx)

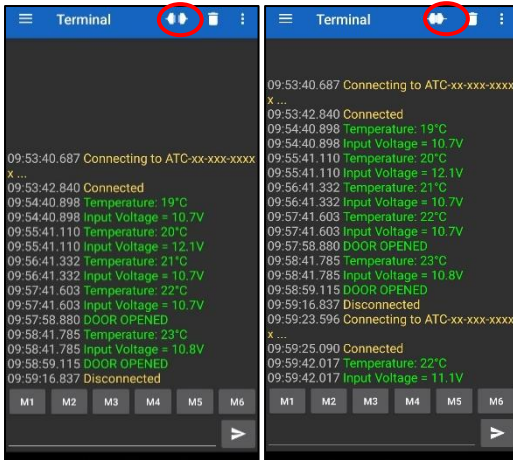


In application screen, inner chamber temperature value* & input power voltage of the products displayed on the screen (as well being recorded).

* Value of inside chamber temperature displays on 'Mobile Application' & on product 'Temperature Display' may differ due to time lag function.

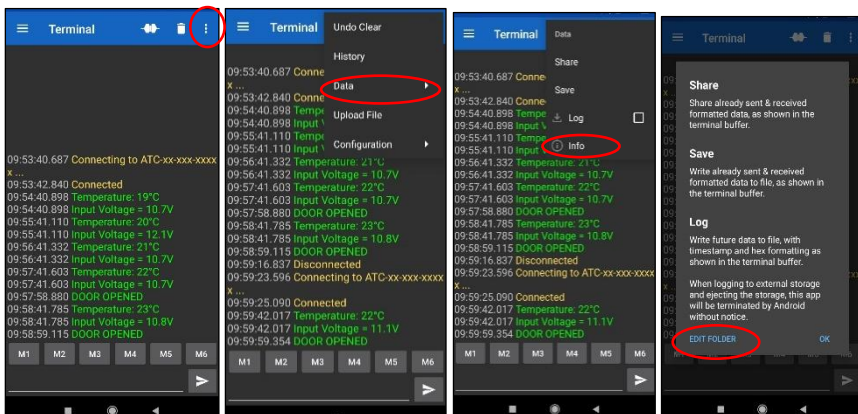
If in case, the Bluetooth connection is lost/fail, re-connect it by clicking on below:

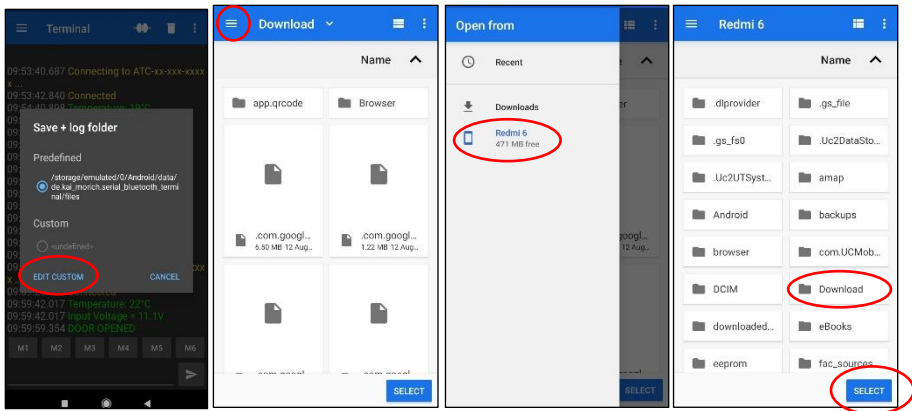




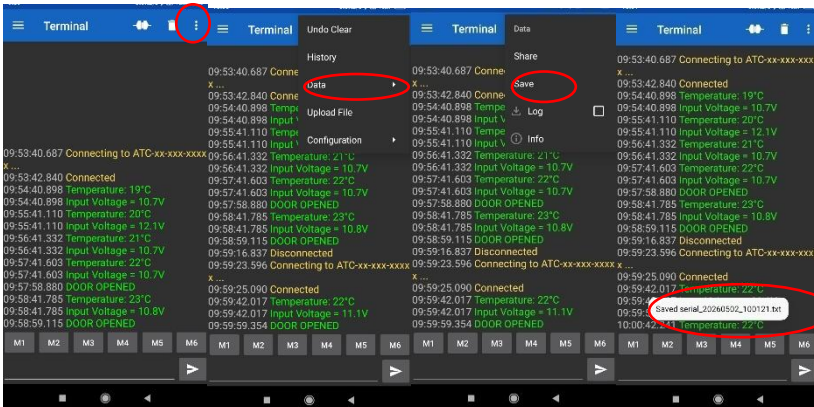
How to save recorded data in the mobile (For Android)

1. In 'Serial Bluetooth Terminal' application, follow below steps to save the data.
Menu → Data → Info → Edit Folder → Edit Custom → Menu → Click on Device Name
(Example, Redmi 6)
Click on the folder where the data should be saved (Example: Download) → Select.





2. After selecting the saving path follow below steps to save and check data.
Menu → Data → Save → Displays file name → Saved file is available in the selected path.



1. The chamber Temperature setting is done by pressing “▲” (up) or “▼” (down) keys in step of 1^o C. Key “▲” (upside) refer to increase the temperature and “▼”(downside) to decrease the temperature. By continuous pressing either key the required temperature can be set faster.
2. The temperature can be adjusted as per model specification.

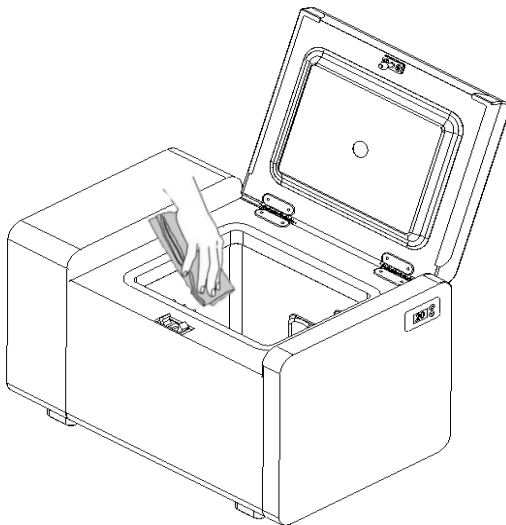
Error Code Detail:

Error No.	Error Explanation
E1	Overheating detection of heat dissipating fins
E2	Detection of overcooling in the chamber
E6	Contact failure and malfunction of NTC1
E7	Contact failure and malfunction of NTC2
E9	Detection of overheating in the chamber

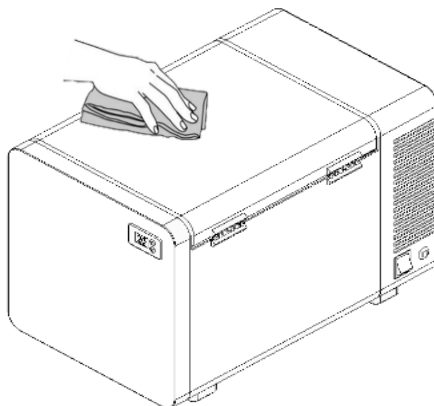
If any of the conditions listed in the table occur, the corresponding “Error No.” gets displayed on the product screen.

During regular use of product, it is essential to clean the product to reduce the chances of any contamination. To clean the product, below process should be carried out at regular time intervals.

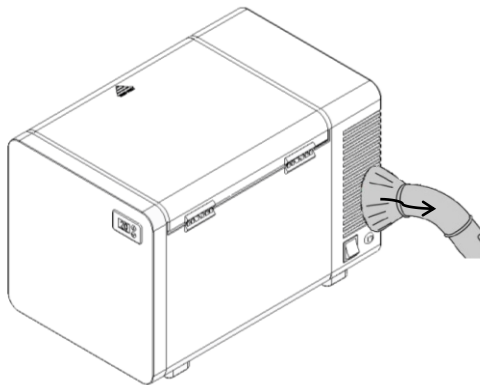
- (1) To clean from the inside, open the door & gently wipe all side surfaces of cold chamber with clean dry cloth. If dirt cannot be removed, wipe it with a damp cloth which is thoroughly wrung out & keep the door open until it dries naturally.



- (2) To clean the body of device, take soft clean dry cloth & wipe the body gently. If dirt cannot be removed, wipe it with a damp cloth which is thoroughly wrung out.

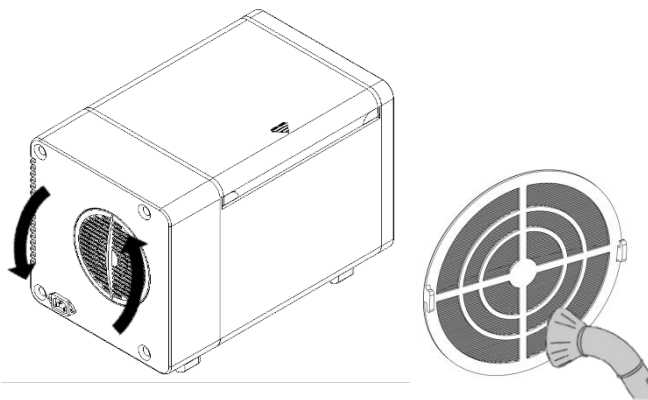


- (3) Use vacuum cleaner in suction mode to clean the exhaust (Air Outlet) area.



- (4) To clean the Filter part (Air Inlet), firstly take it out from the device & then clean it with vacuum cleaner or blower.

To take out filter part, just rotate it in anti-clock direction & then pull it out.



- i** Clean the filter part once in every two weeks. If operating environment is too dusty, shorten cleaning interval.

⚠ WARNING Before initiating cleaning process, turn off the product & disconnect all power connection.

⚠ WARNING Do not spray water directly on device. There is a risk of electrical leakage or electric shock.

⚠ WARNING Use only water or soft soap water to clean the product. Do not use any chemical to clean.

If the product is not working properly, please check following things:

Problem	Checkpoint / Troubleshoot points
Product does not turn ON	• Check whether the Power ON-OFF switch pressed in a correct direction or not. • Check whether the charger plugged/inserted properly with the product or not. • If an error is displayed, the product may remain turn ON, but it is not functioning.
Temperature does not remain stable	• Check whether the air inlet/outlet is blocked with dust or any other objects. • Check whether the door is properly closed or not.
Mobile Application does not start	• Check whether the application is updated with a newer version, if applicable.
Bluetooth does not get connect	• Restart the phone. • Switch OFF & Restart the product. • Check whether the product and Bluetooth connectivity is in range. • Check and confirm the selection of Bluetooth name.
Buzzer remains ON continuous	• If buzzer remains ON in automobile auxiliary power, then run the product on Battery power supply. • If product runs on battery power & buzzer remains ON then immediately connect it with battery charger. • In case the door remains open, the buzzer sounds continuously, then close the door properly
Connection lost Error in Bluetooth Application	• Check and confirm whether the selected Bluetooth named product is in ON condition.
Product does not turn ON when Auxiliary Power Outlet is connected	• Check the Auxiliary Power Outlet connection. • Check whether red LED indicates in the auxiliary power cable or not. (If not, then there may problem in connection or cable).

In case of any other problem/concern, please contact to Texeg India Private limited.

About warranty:

- A Warranty card of the product is attached below.
- Make sure that the warranty card (included with user guide manual) is filled in with the “date of purchase, customer detail & other relevant information.” Read the contents carefully and the keep/store it in a safe place.
- The warranty period for this product is one year from the date of purchase.

During the warranty period

Please keep warranty card ready while requesting for any warranty repairs. The company may repair or replace the product according to the terms of the warranty.

Out of warranty period

Please contact to the company for any out of warranty repair/service request. If the product is possible to use with repair, it can be done on chargeable basis.

For any questions or inquiries regarding repairs, please contact

For any Questions, Sales inquiries and Warranty &/or Repairs, please contact on below:

Contact Information**TEXEG INDIA PVT. LTD.**

+91-97277 41724

URL: www.texegindia.co.in

MAIL: sales1@texegindia.co.in

Warranty Information

Product Name: Acute Temperature Controller	Serial Number:
Model Number: TID-ATC-05	
Warranty Period: 12 months from the date of purchase	Purchase Date:
Customer Name: _____	
Customer Address: _____ _____	
Customer Contact Detail: _____	

- The warranty period is one year from the date of purchase.
- Please note that following cases are not covered by the warranty even within the warranty period:
 1. Misuse, carelessness, unreasonable repair or modification in equipment & failure or damage due to abnormal voltage or interference from other equipment.
 2. Failure or damage caused by fire, earthquake, lightning or other natural disasters
 3. Changes in appearance that occur during use.
- The company will not be responsible for any direct or indirect damages due to self-effort of the client to adjust/fix the problems without consulting company or its authorized dealer.
- If you think there is a malfunction, please first report and consult with company regarding the usage and malfunction status.
- Avoid keeping product under direct sunlight.

10. Disposal Instructions



Dispose the product in accordance with the regulations of Indian or your local government.

