

ACUTE TEMPERATURE CONTROLLER

User Guide Manual (A0)

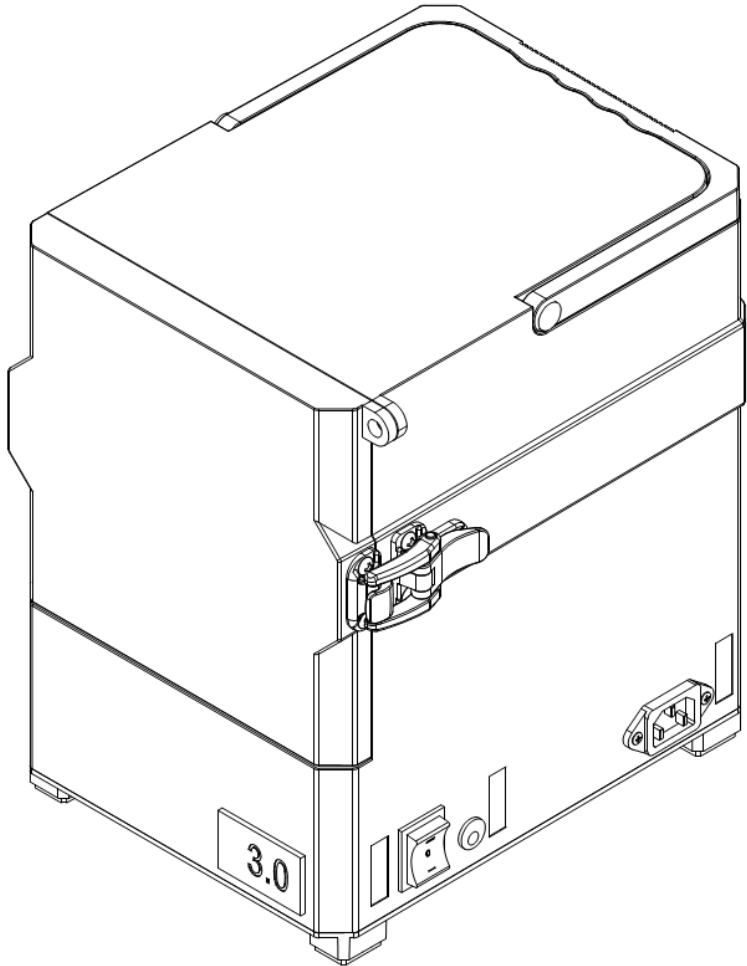


Table of Contents

1. Symbol Descriptions
2. Introduction
 - Description
 - Technical Specification
 - Silent Features
3. Product Delivery
 - List of Items
 - Inspection
4. Product Usage Information
 - Usage-Do's
 - Usage-Don'ts
5. Product Information
 - Product Part Detail
 - Product Usage
 - Product Monitoring
6. Cleaning & Maintenance
7. Troubleshooting
8. Warranty terms & conditions
9. Disposal Instructions



WARNING Indicates that death or serious injury may result if handled incorrectly



CAUTION Indicates that minor or moderate injury may result if handled incorrectly



Indicates a prohibited action.



Indicates a mandatory action.

2.1 Description

Acute Temperature Controller is a smart eco-friendly portable refrigerator device which maintains a precise constant temperature inside. It is ideal device for storage & transportation of thermal sensitive supplies like Blood samples, Milk samples, Chemical & Formulation samples etc., which requires stringent temperature control for longer duration.

During transport, product can run on alternate power (automobile auxiliary power) & it can maintain the inside chamber temperature as far. If the alternate power is not available, the product can still run on battery power & maintain the inside chamber temperature.

2.2 Technical Specification

1	Product Size	211 (W) X 281 (H) X 252 (D) mm
2	Product Weight	Approx. 5 Kg
3	Inside Volume	96 (W) X 88 (H) X 160 (D) mm (1.35 Ltr)
4	Cooling Method	Thermo-Electric Cooling Method by Peltier
5	Operating Ambient Temperature	Upto 45°C (Maximum)
6	Inside Chamber Temperature	3°C ±1°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	7500mAh
11	Product Monitoring	Bluetooth Application with its connection with smart phone as well Temperature Display
12	Product Run Time On Battery ^[1]	Approx. 13 Hours
13	Battery Charge Time ^[2]	Approx. 3 Hours
14	Power Consumption ^[3]	15W (Maximum 60W)
15	Noise Level ^[4]	Approx. 45 dB

[1] Approx. 13 hours product run time on battery is at test condition of 25°C ambient temperature & with no-load after achieving stable inside chamber temperature (with 12V DC battery charger)

[2] Battery charge time is upto 12.3V

[3] Initially power consumption of product is high (approx. 60W) but after achieving stable inside target temperature (i.e., 3°C), it is going to be less (i.e., 15W)

[4] Noise level is at 1 meter distance.

2.3 Silent Features

- $\pm 1^{\circ}\text{C}$ temperature controlling accuracy
- Alarm/buzzer warning system to indicate abnormal condition
- Bluetooth connected smart application to monitor & record inside controlled temperature as well input power voltage
- On-body display to monitor inside temperature
- Hazardous free operation
- Manual external locking feature to prevent unauthorized access

3.1 List of Items


Following items are with product:

No.	Items	Quantity
1	Acute Temperature Controller Product	1
2	Battery Charger	1
3	Auxiliary Power cord for vehicle	1
4	Product Carry Bag	1
5	User Guide Manual	1

3.2 Inspection

Inspection check list points, on delivery of product, to avoid any legal warranty issues:

No.	Check-list Points	Status (OK/NOT OK)
1	Check the product packaging if the seal 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 list of items if any missed	

 In case of any damaged or missed items, please contact to Texeg India Pvt Ltd immediately & do not use the product till further decision.

Usage Do's:

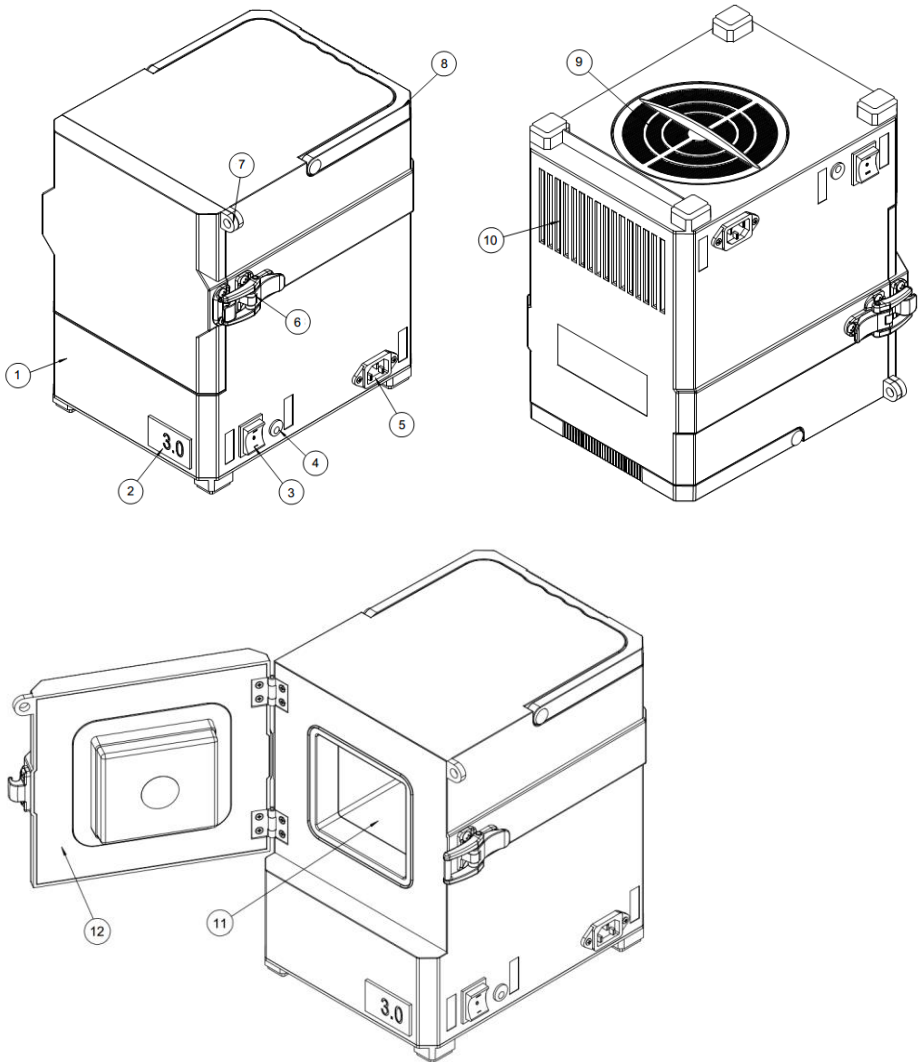
- Keep the product clean.
- Use a microfabric cloth to clean dirt/dust from the surface of the product.
- Keep the product away from the reach of children, neonates or pets.
- Always switch off the power & disconnect the AC adapter (battery charger) from the product before initiating cleaning.
- Clean the air inlet once in every two weeks as per recommended cleaning guidance (Page No-15).
- If condensation occurs inside the chamber, wipe it off using dry soft cloth.
- Use the standard bag to carry the product during travel.
- Keep the AC adapter cable in a safe location, where stepped on or caught on can be avoided. Otherwise, product or person may fall causing damage or injury.
- Unplug the AC adapter from the power outlet when the product is not in use. Otherwise, the product may operate unintentionally causing power waste & undue risk.

Usage Don'ts:

- Do not store the product in damp or unprotected spaces.
- Do not put liquid, semi-liquid or other solid phase items of the storing inside the aluminium 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, 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.

5.1 Product Part Detail:

The various parts of products are as below:



[Image-1]

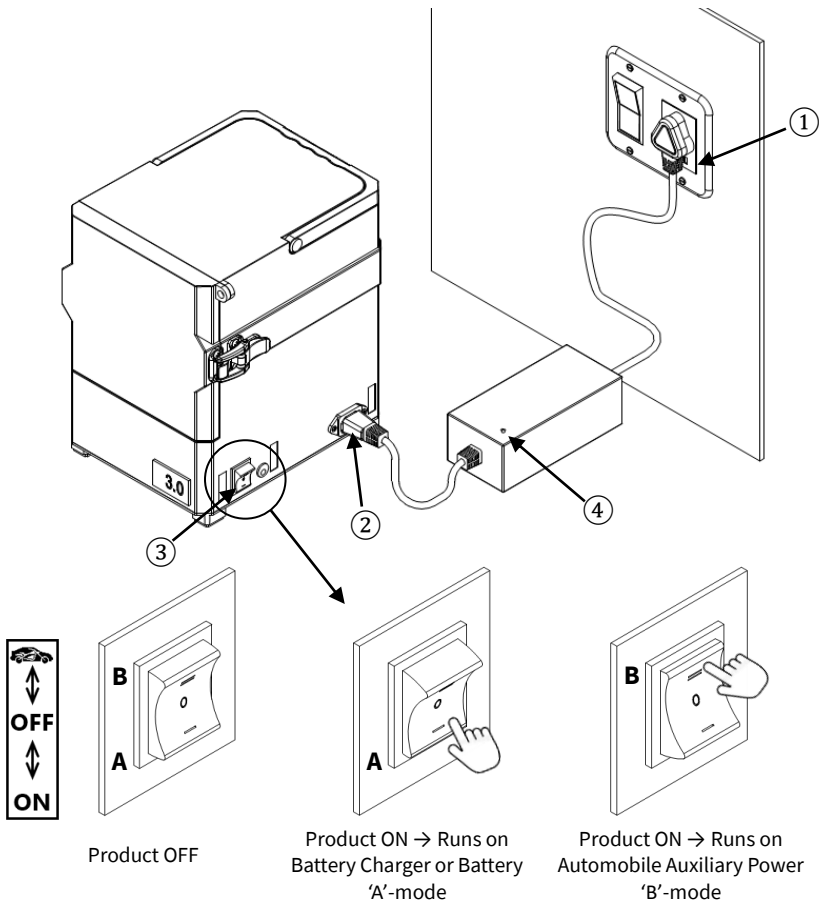
- | | |
|------------------------------------|---------------------------------|
| 1- Outer Body | 7- Optional Manual Lock Feature |
| 2- Temperature Display | 8- Handle |
| 3- ON-OFF Switch | 9- Filter (Air Inlet) |
| 4- Vehicle Power Input Connector | 10- Air Outlet |
| 5- Battery Charger Input Connector | 11- Inside Chamber |
| 6- Hatch Clip Lock | 12- Door |

5.2 Product Usage:

5.2.1 Device ON/OFF:

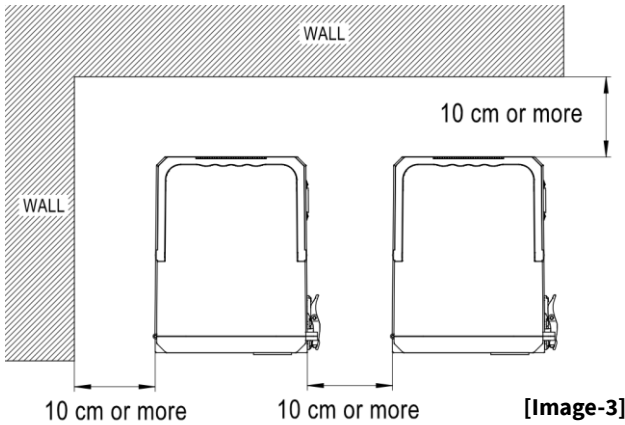
Steps to be followed to make device ON/OFF:

1. Keep the product on 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 in 'A'-mode (Image-2-③).
6. Temperature display will turn ON as well the green light will bright 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.

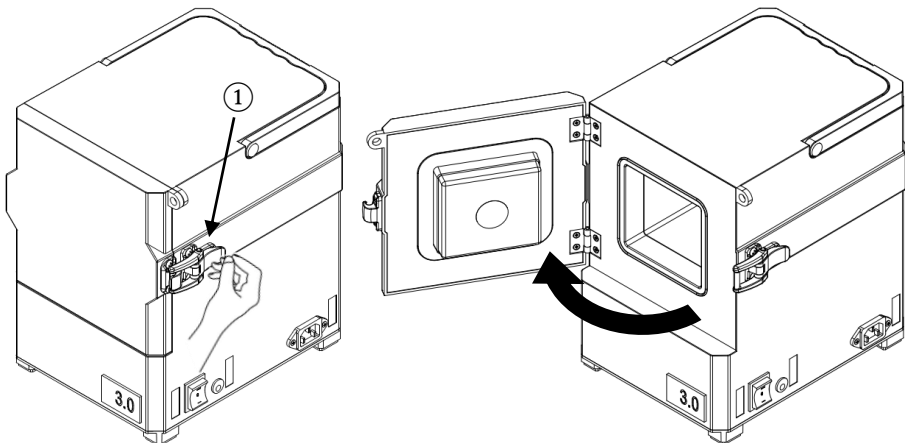


[Image-3]

5.2.2 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. Unlock/open the Hatch Clip Lock of the device (Image-4-①).
2. Open the door towards outside.
3. Put the contents inside the cold chamber.
4. Close the door & lock the Hatch Clip Lock.
5. Similar reverse process to be followed to take out the contents from the cold chamber.

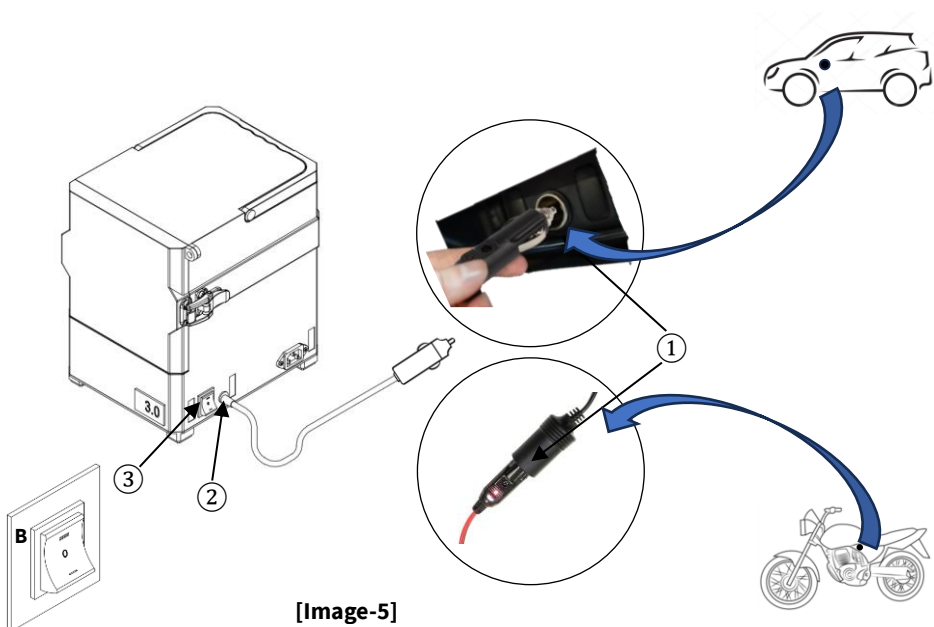


[Image-4]

5.2.3 Product Usage during transportation

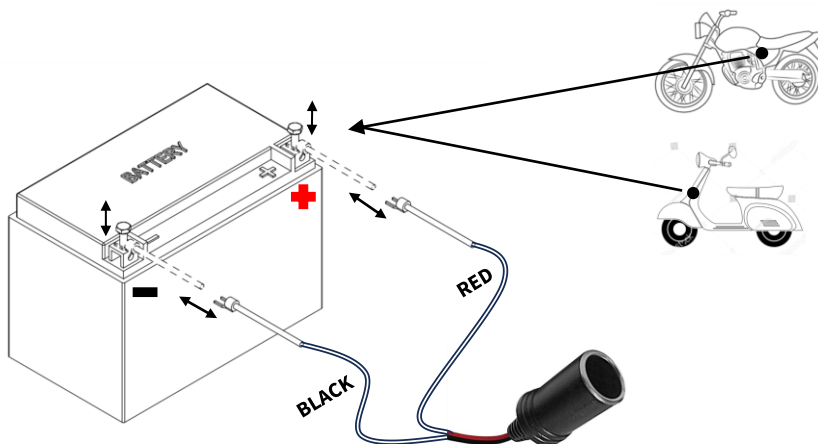
Steps to be followed to use the device while transportation in a vehicle:

1. Turn OFF the product switch & disconnect the battery charger to the device.
2. Turn ON the product switch immediate then. (Keep ON-OFF power switch position in 'A'-mode)
3. Put the device into given carry bag vertically & carry it.
4. Move towards the parked vehicle.
5. Connect one end of power cord to the pre-fixed auxiliary power outlet socket of a vehicle (Image-5-①).
6. Connect second end of power cord to the device & turn ON/start the vehicle engine (Image-5-②).
7. Change the ON-OFF power switch position from 'A'-mode to 'B'-mode by pressing upside (Image-5-③).
8. Start moving towards the destination with vehicle.
9. After arriving at the destination, change the ON-OFF power switch position from 'B'-mode to 'A'-mode by pressing downside & turn OFF/stop the vehicle engine.
10. Take the device in a usage area & take it out from the carry bag carefully.
11. Follow 5.2.2 procedure to put in/take out the contents into/from the cold chamber.
12. In case of further having no product movement, connect it with battery charger (Keep ON-OFF power switch position in 'A'-mode) & keep the product ON till it requires. If there is a product movement, follow the steps from-1.



[Image-5]

5.2.3.1 How to connect Auxiliary Power Socket with Battery in Two-Wheeler



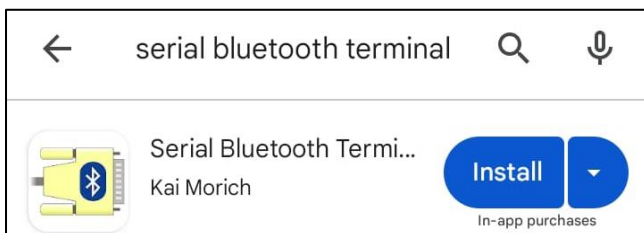
[Image-6]

5.3 Product Monitoring:

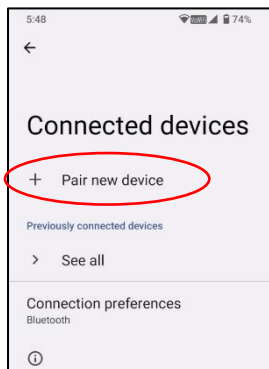
While running/using the product, inside chamber temperature can be monitored by temperature display as well through Bluetooth connected mobile application.

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

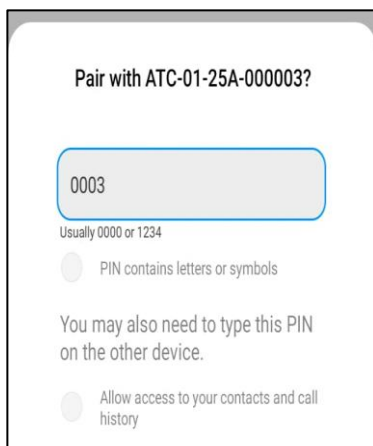
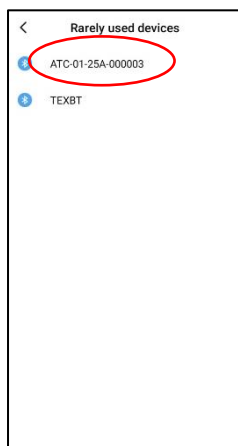
1. Open 'Google Play Store' & search 'Serial Bluetooth Terminal.'
2. Click on 'Install.'



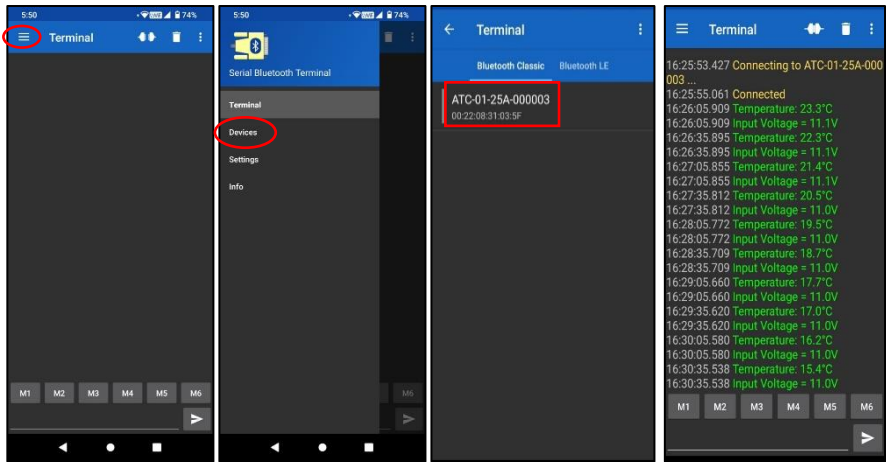
3. Next in mobile 'Settings', open Bluetooth setting & click on 'Pair New Device'.



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-01-25A-000003 then Bluetooth name will appear as ATC-01-25A-000003 & PIN will be 0003)



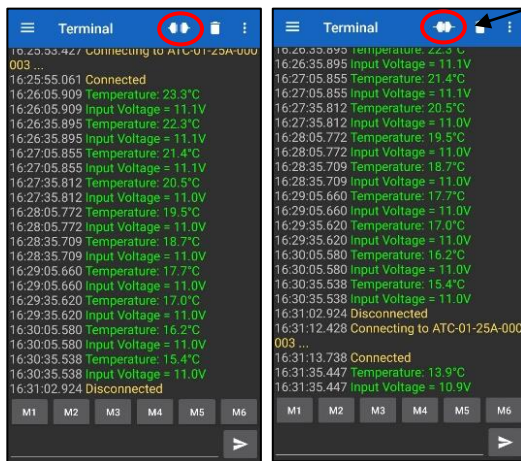
5. After completion of Bluetooth pairing, open 'Serial Bluetooth Terminal' application & follow below steps.
Menu → Devices → Bluetooth Classic → Click on Product Serial Number
(Example, ATC-01-25A-000003)



In application screen, inside chamber temperature value* & input power voltage to the product may see (as well being recorded).

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

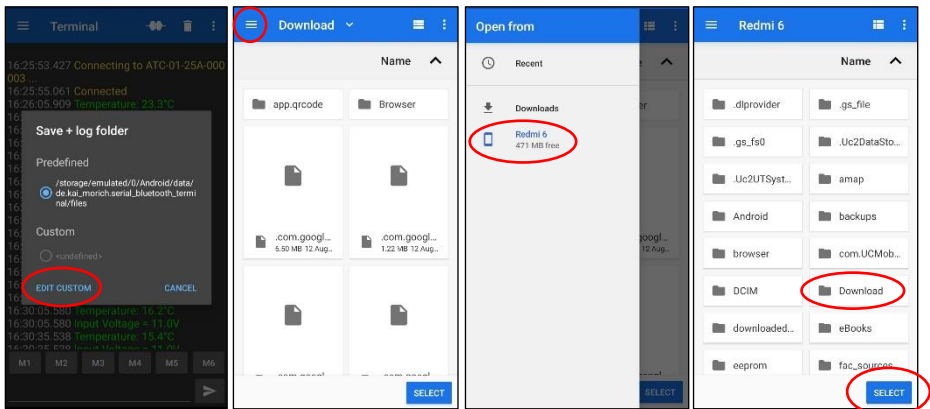
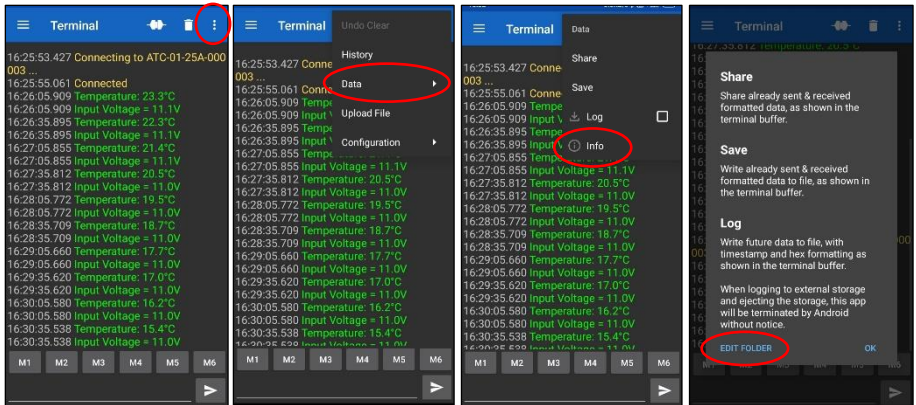
If in case, the Bluetooth connection may lost/fail, re-connect it by click on below:



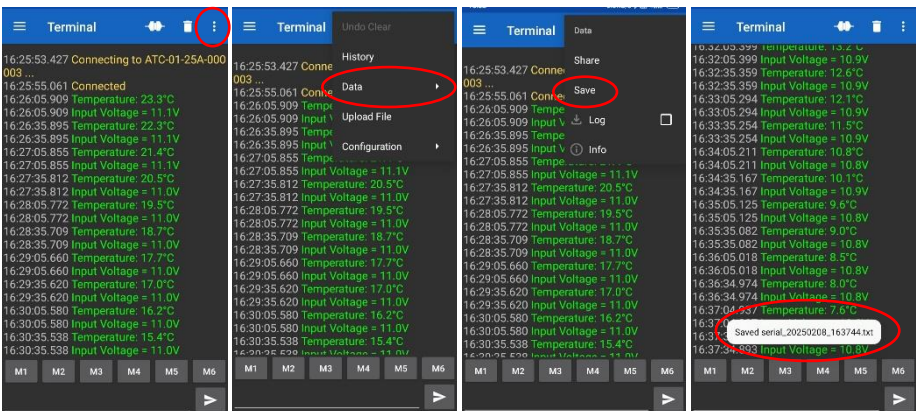
How to save the recorded data in the mobile (For Android)

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 folder where data should keep (Example, Download) → Select.

5. Product Information

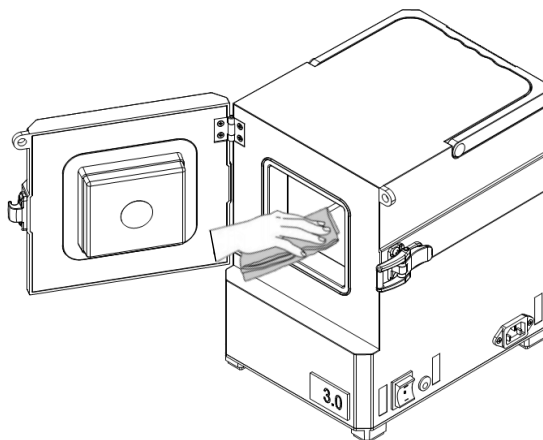


- After selecting the saving path follow below steps to save and check data.
Menu → Data → Save → Displays file name → Saved file is available in the selected path

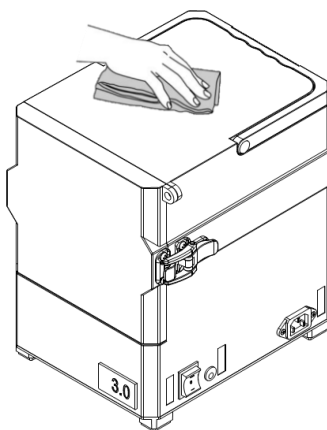


During regular use of product, it is essential to clean the product to reduce the chances of any contamination. For that below cleaning process should be carried out at regular time intervals.

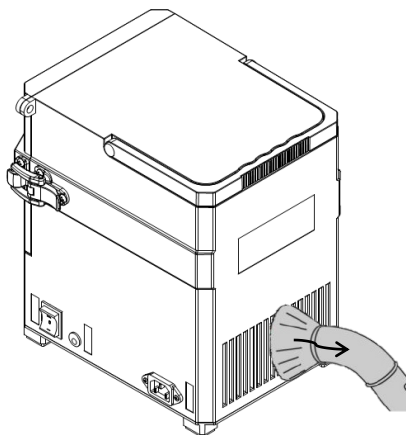
- (1) To clean inside cold chamber, open the door & gently wipe all inside surfaces of cold chamber with clean dry cloth. If dirt cannot be removed, wipe it with a damp cloth which is thoroughly wrung out & keep the door open until it dries naturally.



- (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.

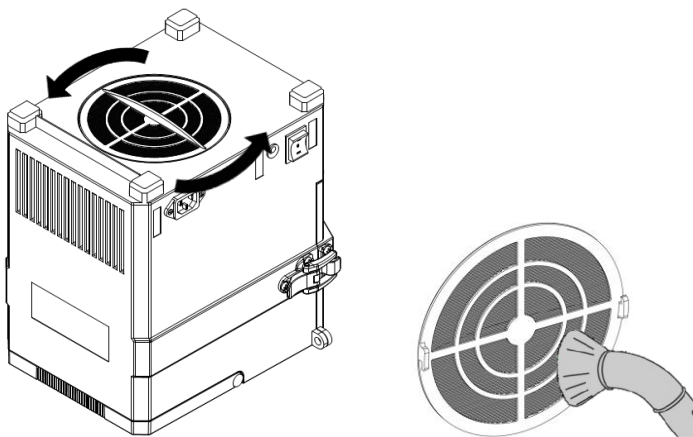


- (3) Use vacuum cleaner in suction mode to clean the exhaust (Air Outlet) area.



- (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.

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

Problem	Checkpoint / Troubleshoot points
Product does not turn ON	<ul style="list-style-type: none"> • 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.
Temperature does not remain stable	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Check whether the application is updated with a newer version, if applicable.
Bluetooth does not get connect	<ul style="list-style-type: none"> • Restart the phone/device. • 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	<ul style="list-style-type: none"> • If buzzer remains ON in automobile auxiliary power, then run the product on Battery power supply (switch 'A'-mode). • If product runs on battery power & buzzer remains ON then immediately connect it with battery charger.
Connection lost Error in Bluetooth Application	<ul style="list-style-type: none"> • Check and confirm whether the selected Bluetooth named product is in ON condition.
Product does not turn ON when Auxiliary Power Outlet is connected	<ul style="list-style-type: none"> • Check the Auxiliary Power Outlet connection. • Check whether the Power ON-OFF switch pressed in a correct direction. • 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 repairs. The company will repair or replace the product according to the terms of the warranty.

Out of warranty period

Please contact to the company for any 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-01	
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. • If the product breaks down during normal use, in accordance with the precautions mentioned in this manual, it will be repaired free of charge. • 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. • We are not responsible for any adjustment or direct/indirect damage caused by the failure of the product or its use. • If you do not agree with this point, please immediately process the return/refund procedure. • If you think there is a malfunction, please first report and consult with company regarding the usage and malfunction status.

9. Disposal Instructions



Dispose the product in accordance with the regulations of your local area.