DESSMANN
FINGERPRINT LOCK

DESSMANN - FINGERPRINT SAFE BOX

User Guide BG Series
SMS Function
Version 2014.01

Contents

Chapter 1

Introduction

1.1   Packing List

Thank you for choosing a DESSMANN Safe Box.
The following accessories are provided in order to set up and use your safe box:

Item	Qty
01/ Safe Box	1 Pce
02/ Mounting Screws	2 Pces
03/ User Guide	1 Book
04/ 1.5V Batteries	8 Pces
05/ Emergency Battery Box	1 Pce
06/ Tubular Key for Stealth Box	2 Pces
(Only BG45, BG65 & BG85)	

Product Reference

Mechanical Opening Code

Please check all of the above accessories are included in the box before installation.
In case any of these items is damaged or missing, please contact us or your closest dealer.

1.2   Technical Data

Safe Box Dimensions		
BG22	Outer Body (WxDxH)	385x220x420mm
	Inner Body (WxDxH)	414x323x214mm
	Volume	28 Liters
	Weight	21 Kg
BG28	Outer Body (WxDxH)	380x330x280mm
	Inner Body (WxDxH)	374x268x274mm
	Volume	28 Liters
	Weight	23 Kg
BG45	Outer Body (WxDxH)	380x330x450mm
	Inner Body (WxDxH)	374x265x376mm
	Volume	37 Liters
	Weight	40 Kg
	Stealth Box	●
BG65	Outer Body (WxDxH)	440x420x650mm
	Inner Body (WxDxH)	432x355x576mm
	Volume	88 Liters
	Weight	67 Kg
	Stealth Box	●
BG85	Outer Body (WxDxH)	440x420x850mm
	Inner Body (Top)	432x355x345mm
	Volume (Top)	52 Liters
	Inner Body (Base)	432x355x387mm
	Volume (Base)	60 Liters
	Total Weight	87 Kg
	Stealth Box	●

Specifications		
Body	BG22-BG28	3mm Cold Rolling Plate
	BG45-BG65-BG85	4mm Cold Rolling Plate
	Door Panel	Acrylic Glass
	Interior Finish	Velvet Suede
	Power Supply	2 sets of 4 AA Batteries
	External Power Supply	Battery Box
Interface	Screen	Dot-Matrix Screen
	Keypad	Touch Screen
Functions	Main Opening Method	Fingerprint
	Alternative Opening Method	Password, Mechanical Key
	Fingerprint Capacity	80 Fingerprints
	Password Capacity	1 Password
	Time Display	●
	Low Power Notification	●
	System Reset Button	●
Security	Admin Authentication	Admin Fingerprint
	Admin Numbers	2 Admins
	Registered User Identification	By Name
	Users Log-In Record	1,024 entries
	Failed Fingerprint Authentication	System Freeze for 3 Minutes after 10 Failed Attempts
	Failed Password Authentication	System Freeze for 3 Minutes after 5 Failed Attempts
	Save Data when System is Down	●
	Wrapped Password	●

Due to continuous improvements, we reserve the right to amend

any aspect of the above specifications without notice.

Chapter 2

Product Description

Touch Pad Screen
Acrylic Glass Door Panel
Cold Rolling Plate Body
Protective Pads

Reset Button
Sim Card Slot
Batteries Case
Adjustable Shelf
Automatic Bolt
Stealth Box (BG45,BG65,BG85 Only)

START Button
Battery Box Plug
Fingerprint Lens
Door Handle
Mechanical Dial
Cache Panel
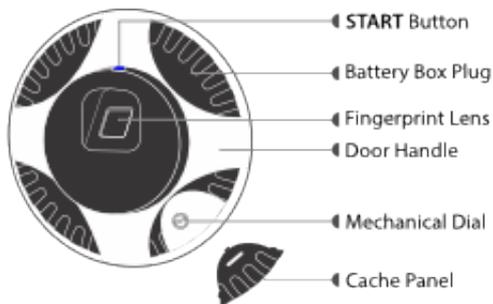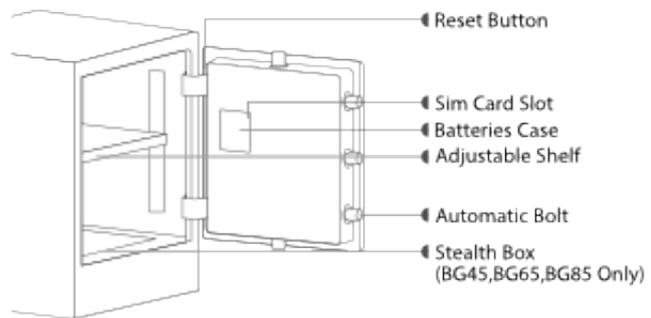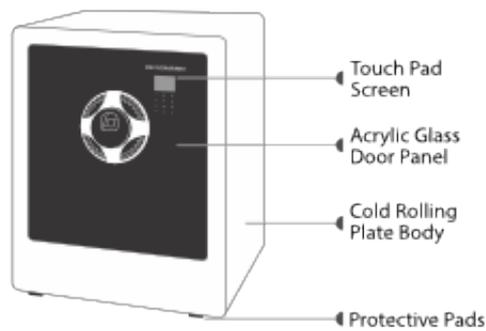
Numeric Keys :	Input Password & Name
MENU :	Go to Previous Menu or Next Character
ENTER :	Save or Confirm
↑ :	Scroll Up
↓ :	Scroll Down

Chapter 3

Basic Instructions

3.1   Batteries Setup
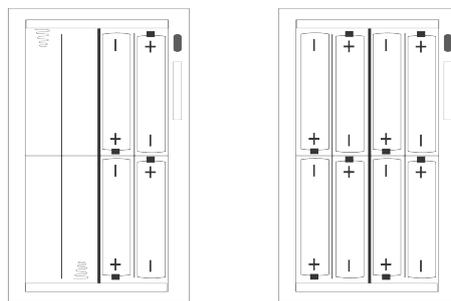
One set of 4 AA batteries or two sets of 4 AA batteries are required to power the safe.

3.2   Mechanical Dial

> ⚠️ **Very Important**
>
> After you set up your safe for the first time, open the safe cache panel & turn the mechanical dial 4 times clockwise with a screwdriver to activate the mechanical opening method. **If you don't perform this action, anyone will be able to open the safe using the dial without any password.**
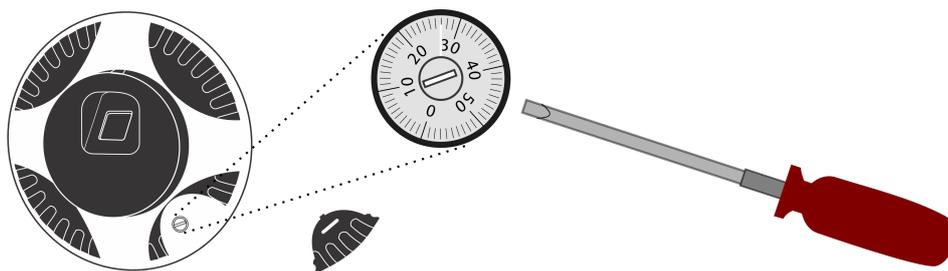
3.3 SIM Card

If you want the safe box to communicate via SMS, you need to install a SIM card into it. Make sure this SIM card can operate in your country and has sufficient credit to to send SMS.

At the back of the door, beside the battery case, press the small yellow button of the SIM card slot to release the SIM card case. Put a standard mini SIM card inside the case & insert it back into the SIM card slot.
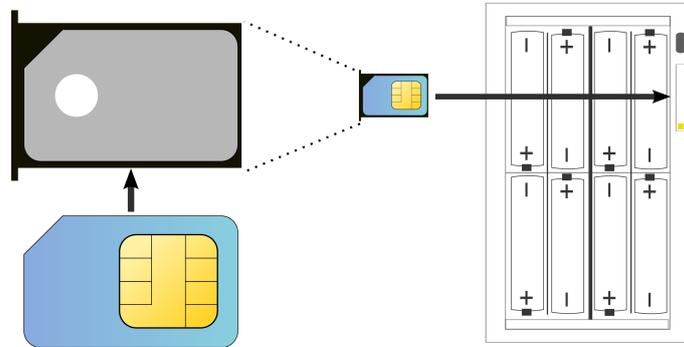
> **SMS Function**
>
> The following functions make use of a SIM card:
>
> - **5.5.1** - Panic Password
> - **5.5.2** - Panic User
> - **5.5.3** - Report User
> - **5.5.5** - SMS Numbers
> - **6.1.1** - Illegal Intrusion Alarm
> - **6.1.2** - Multi-attempts Alarm
> - **6.2** - Batteries Low
>
> You can perfectly use the safe without a Sim card.

Chapter 4

Quick Start

Functions		Operation
Enter	System Menu	1/ Press **START** to get to the logo 2/ Press **MENU** 3/ Enter Admin Fingerprint (Default: none) 4/ Press **ENTER**
New	Admin	1/ Enter System Menu 2/ Select "2.User Setting" 3/ Select "1.Add Admin FP" 4/ Scan Fingertip Twice 5/ Enter a Name. **ENTER** to Save
	User	1/ Enter System Menu 2/ Select "2.User Settings" 3/ Select "2.Add User FP" 4/ Scan Fingertip Twice 5/ Enter a Name. **ENTER** to save

4.1 Open the Door

with Finger
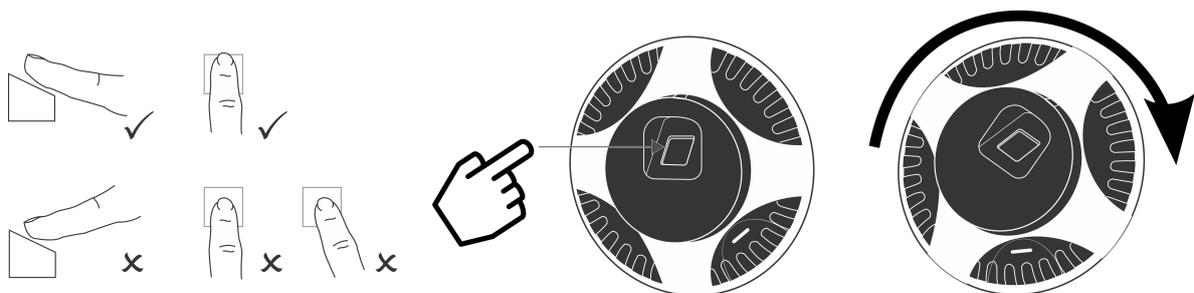
Scan your fingertip on the authentication lens without moving for 2 seconds. Turn the handle clockwise &

pull the door.

> ℹ️ **Best Practices**
> To guarantee an optimal authentication:
>
> • Make sure your finger is clean & dry
>
> • Align your finger parallel to the authentication lens
>
> • Do not move your finger for 2 seconds while scanning

with Password
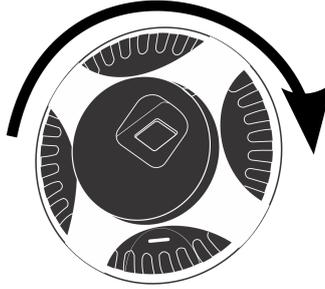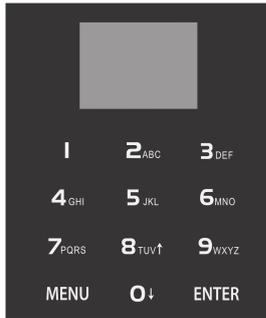
Press **START**, enter password & press **ENTER** . Turn the handle clockwise & pull the door.

> 💡 **Smart Password**
> To confuse people looking at you when you type your password, it can be inputted within a random string of number. If your password is **888888**, the following combinations will still unlock the door:
>
> • 1289888888
>
> • 8888887556
>
> • 87463888888451879

4.2 Close the Lock

The locking bolts automatically lock when you close the door.

Chapter 5

Safe Menu

DESSMANN lock management software let you easily manage your users. Browse with the arrows keys & press **ENTER** to confirm each step.

5.1 Enter the System Menu

System can only be managed with the admin fingerprint.
Press **START** & press **MENU**:

```
Admin
Scan Finger
```

Scan admin fingerprint (default: none).
Note: System will automatically shutdown when not in use.

5.2 Safe Settings

```
1.System Setting
2.User    Setting
3.Information
4.Chamberlain
5.Exit
```

5.2.1 Unlock Mode

```
1.Unlock Mode
2.Edit Password
3.Time Setting
4.Safe Alarm
5.Back
```
```
1.FP Only
2.FP or PWD
3.FP & PWD
4.Back
```
```
Current Mode:

Fingerprint
Only
```

There are 3 modes offered by DESSMANN safe box to open it:

- **Fingerprint Only** - Identification with fingerprint only

- **Fingerprint OR Password** - Identification with either fingerprint OR password

- **Fingerprint & Password** - Identification with both fingerprint AND password

5.2.2 Lock Password

```
1.Unlock Mode
2.Edit Password
3.Time Setting
4.Safe Alarm
5.Back
```
```
Enter 6 Digits
Last Password:
```

Enter the last password in use and press **ENTER**. (Default: 888888)

```
Enter 6 Digits
New Password:
```
```
Enter Again
New Password:
```

Enter the new password (must be 6 digits, no more, no less), press **ENTER**, confirm it again, press **ENTER**.

5.2.3 Set Time

We recommend you to properly set the time to fully enjoy all the functions of your safe box.

```
1.Unlock Mode
2.Edit Password
3.Time Setting
4.Safe Alarm
5.Back
```

```
Time Setting

  10:21:25
 2014/06/26
```
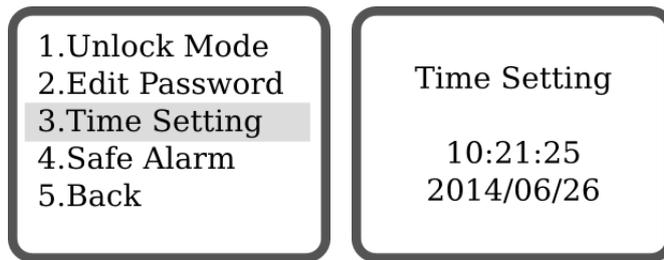
Change the values with the keypad. Press **MENU** to move to the next digit. Press **ENTER** to confirm.

5.2.4 Safe Alarm

```
1.Unlock Mode
2.Edit Password
3.Time Setting
4.Safe Alarm
5.Back
```

```
      Alarm

 ◄    ON    ►

1: ←      3: →
```

```
      Alarm

 ◄   OFF    ►

1: ←      3: →
```
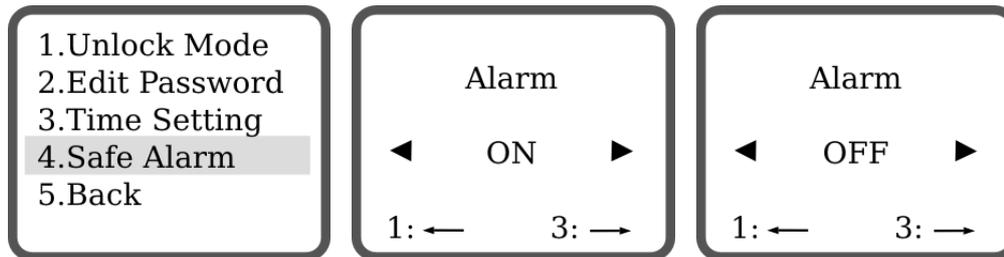
Set-up the Alarm function ON or OFF & press **ENTER** to confirm.
Trigger the Alarm function ON so you always get informed when your safe box is being stolen.

> 💡 **Alarm Function ON & OFF**
>
> An alternative way to set the Alarm function ON or OFF:
>
> - Open the safe door with Finger or Password
>
> - Then keep the **START** Button press for 3 seconds
>
> So every user can start or stop the alarm function without entering the system menu.

5.3   User Settings

```
1.System Setting
2.User    Setting
3.Information
4.Chamberlain
5.Exit
```

5.3.1   New Admin

```
1.Add Admin FP
2.Add User    FP
3.Delete User
4.Back
```
```
    Scan
Fingerprint
```
```
  Scan Again
```

Scan the new admin fingertip twice.

```
Enter Name:



ENTER to Confirm
MENU to Move
```
```
     name
    Saved
```

Enter a name for this admin using the keypad. The name can only have a maximum of 6 digits or characters. Press **ENTER** to confirm.

> ⚠ **Attention**
>
> Pay special attention to the following:
>
> - The admins can manage the whole system, choose them carefully
>
> - Up to 2 admins can be registered in the system
>
> - Only a factory reset can delete admins from the system
>
> - Use a distinctive finger for admin tasks & for everyday use

5.3.2 New User

```
1.Add Admin FP
2.Add User   FP
3.Delete User
4.Back
```
```
      Scan
   Fingerprint
```
```
   Scan Again
```

Scan the new user fingertip twice.

```
Enter Name:



ENTER to Confirm
MENU to Move
```
```
      name
      Saved
```

Enter a name for this user using the keypad. The name can only have a maximum of 6 digits or characters. Press **ENTER** to confirm.

> **ℹ Best Practices**
>
> To ensure optimal results, register the same finger 2 to 3 times.

5.3.3 Delete User

```
1.Add Admin FP
2.Add User   FP
3.Delete User
4.Back
```
```
Admin  F   mark
User   TF   steven
User    F   rachel
User   TF   david
User      E mark
          001/002
```

Select the user you want to delete with the arrows keys & press **ENTER** to confirm.
<u>Note:</u> Admin cannot be deleted.

5.4 Information

```
1.System Setting
2.User    Setting
3.Information
4.Chamberlain
5.Exit
```

5.4.1 Users Log

```
1.Users Log
2.Users List
3.Storage
4.Back
```

```
steven  F   2014-03-18
                   10:40
rachel  TF  2014-03-19
                   17:15
mark        E 2014-03-20
                   09:50
        1/8
```

User Name → / Page Number → / Opening Time ← / User Type

Users log informs you about:

- User Name

- User Type

    - **T** for a user with Time Control selected (5.5.4 Time Control)

    - **F** for a user with Report function activated (5.5.3 Report User)

    - **E** for a user with Emergency function activated (5.5.2 Panic User)

- Opening Time

Change page with the arrows keys & press **ENTER** to exit.

5.4.2 Users List

```
1.Users Log
2.Users List
3.Storage
4.Back
```

```
Admin  F   mark
User   TF  steven
User    F  rachel
User   TF  david
User     E mark
        001/002
```

Users list informs you about registered user in the system.
Change page with the arrows keys & press **ENTER** to exit.

5.4.3 Storage

```
1.Users Log
2.Users List
3.Storage
4.Back
```

```
              FP
Total  : 80
Unfree : 02
Free   : 78
```

Storage informs you about the numbers of registered users in the system. Press **ENTER** to exit.

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5.5   SMS Function - Chamberlain Techniques

```
1.System Setting
2.User    Setting
3.Information
4.Chamberlain
5.Exit
```

5.5.1   Panic Password

```
1.Panic Password
2.Panic   User
3.Report User
4.Time Control
5.SMS Numbers
6.Back
```
```
Enter 6 Digits
New Password:
```
```
Enter Again
New Password:
```

Enter the panic password (must be 6 digits, no more, no less), press **ENTER**, confirm it again, press **ENTER**.

⚠️ **Panic Function**

This password will open the safe & send the following warning SMS to the numbers selected in **5.5.5** (SMS Numbers - Panic Numbers):

```
📶                    ✉

[DESSMANN SAFE]
  USER IS FORCED
TO OPEN THE DOOR
```

5.5.2   Panic User

Select a user and activate the panic function ON or OFF with the arrows, press **ENTER** to confirm.

```
1.Panic Password
2.Panic   User
3.Report User
4.Time Control
5.SMS Numbers
6.Back
```
```
Admin  F   mark
User   TF  steven
User    F  rachel
User   TF  david
User     E mark
         001/002
```
```
    User rachel

  Panic Function
 ◄      ON      ►

1: ←        3: →
```

⚠ **Panic User**

This user will open the door & send the following report SMS to the numbers selected in **5.5.5** (SMS Numbers - Panic Numbers):

```
‖ᵢ‖  ✉

[DESSMANN SAFE]
 MARK IS FORCED
TO OPEN THE SAFE
```

5.5.3 Report User

Select Report User with the arrows & switch this function ON or OFF, press **ENTER** to confirm.

```
1.Panic Password
2.Panic   User
3.Report User
4.Time Control
5.SMS Numbers
6.Back
```
```
Admin  F   mark
User   TF  steven
User    F  rachel
User   TF  david
User      E mark
          001/002
```
```
   User steven

Report Function
◄      ON      ►

1: ←      3: →
```

ℹ **Report User**

This user will open the door & send the following report SMS to the numbers selected in **5.5.5** (SMS Numbers - Report Numbers):

```
‖ᵢ‖  ✉

[DESSMANN SAFE]
 Mark is opening
    the safe.
```

5.5.4 Time Control

Select Time Control with the arrows & switch this function ON or OFF, press **ENTER** to confirm.

```
1.Panic Password
2.Panic   User
3.Report User
4.Time Control
5.SMS Numbers
6.Back
```
```
Admin  F   mark
User   TF  steven
User    F  rachel
User   TF  david
User      E mark
          001/002
```
```
   User mark

 Time Control
◄      ON      ►

1: ←      3: →
```

```
Start Time
2002-01-01 14:30
End Time
2003-01-01 14:30
Sun 1  2  3  4  5  6
    □  □  □  □  □  □  □
```

```
Start Time
2014-01-01 09:30
End Time
2015-12-31 18:00
Sun 1  2  3  4  5  6
    □  ■  ■  ■  ■  ■  □
```

Enter the desired time zone using the keypad, press **MENU** to move to the next digit, press **ENTER** to confirm. In this example, the user can only open the door from the 1st of january 2014 to the 31st of december 2015, from 08:30 to 18:00, from monday (1) to friday (5).

5.5.5 SMS Numbers

```
1.Panic Password
2.Panic   User
3.Report User
4.Time Control
5.SMS Numbers
6.Back
```

Report Numbers

```
1.Report Numbers
2.Panic   Numbers
3.SMS Center
4.Back
```

```
Report Numbers
✓13588735450
□13800000000

- CONFIRM
- CANCEL
```

Set-up & select the phone numbers that will receive SMS for reporting purpose with the keypad, **MENU** to move to the next digit, press **ENTER** to confirm.

> 💡 **Report Function**
>
> An informative SMS will be sent to the above numbers every time one of the following is activated:
>
> - **5.5.3** - Report User
>
> - **6.2** - Batteries Low - First Warning

Panic Numbers

```
1.Report Numbers
2.Panic   Numbers
3.SMS Center
4.Back
```

```
Panic Numbers
✓13806251250
□13800000000

- CONFIRM
- CANCEL
```

Set-up & select the phone numbers that will receive SMS for panic purpose with the keypad, **MENU** to move to the next digit, press **ENTER** to confirm.

⚠ **Panic Function**

A warning SMS will be sent to the above numbers every time one of the following is activated:

- **5.5.1** - Panic Password

- **5.5.2** - Panic User

- **6.1.1** - Illegal Intrusion Alarm

- **6.1.2** - Multi-attempts Alarm

- **6.2** - Batteries Low - First Warning

SMS Center

```
1.Report Numbers
2.Panic  Numbers
3.SMS Center
4.Back
```

```
   SMS Center

✓ 13800571500

- CONFIRM
- CANCEL
```

In order to send a SMS, set-up & select the SMS call center of your SIM Card provider (please contact them for more information). Change the number with the keypad, **MENU** to move to the next digit, press **OK** to confirm.

Chapter 6

Safe Functions

6.1 Alarm Functions

6.1.1 Illegal Intrusion Alarm

If a thief is trying to steal or pick-lock your safe box, a buzzer will ring to scare him out.

> ⚠️ **SMS Function**
>
> The following warning SMS will be sent to the numbers selected in **5.5.5** (SMS Numbers - Panic Numbers):
>
> ┌─────────────────────┐
> │ 📶   ✉ │
> │ [DESSMANN SAFE]   │
> │   Illegal Intrusion │
> │   detected.   │
> └─────────────────────┘

> 💡 **Move your Safe**
>
> This function is deactivated for 10 minutes after each successful authentications with finger or password. So you can move your safe without triggering this alarm.

6.1.2 Multi-attempts Alarm

After 10 failed fingerprint authentications or 5 failed password authentications, the system will freeze for 3 minutes.

┌─────────────────────┐
│   │
│ Too Many Errors   │
│ Try Again Later   │
│   │
└─────────────────────┘

> ⚠ **SMS Function**
>
> After After 10 failed fingerprint authentications or 5 failed password authentications, the following warning SMS is sent to the numbers selected in **5.5.5** (SMS Numbers - Panic Numbers):
>
> ```
> ▯ᵃˡˡ                   ✉
>
> [DESSMANN SAFE]
>  Someone failed to
>    authenticate.
> ```
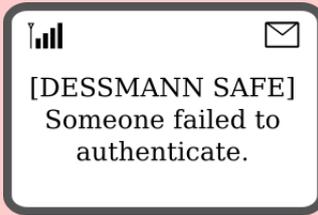
6.2 Batteries Low

- When the batteries are low, a buzzer will bip as a warning when you open the door & a message will be displayed on the screen at the same time.

- The lock will still operate for about 250 times after the first warning. Replace the batteries as soon as possible.

- Check the system time after batteries replacement, because time information will be stored only 2 minutes without power.

- Recycle the used batteries according to the related laws and regulations of your country.

- 3 differents warnings will informed you about the state of your batteries:

First Warning

At first warning, the door can still operate for about 250 times but the messaging functions are suspended until you change the batteries.

```
Power Low
Messaging
Functions
Are Suspended
```

> ⚠ **SMS Function**
>
> A last message will be sent to the numbers selected in **5.5.5** (SMS Numbers - Report Numbers) & **5.5.5** (SMS Numbers - Panic Numbers):
>
> ```
> ▯ᵃˡˡ                   ✉
>
> [DESSMANN SAFE]
>  Power low, SMS
>  function disabled.
> ```

Second Warning

At second warning, the door can still operate for about 100 times.

```
Power Low
Change Batteries
```

Last Warning

At last warning, the door cannot operate anymore, you should use the emergency battery box or the mechanical opening method.

```
Power Low
Use Emergency
Battery
```

6.3   Emergency Battery Box

In case the safe runs out of battery. You can power the system with the emergency battery box.
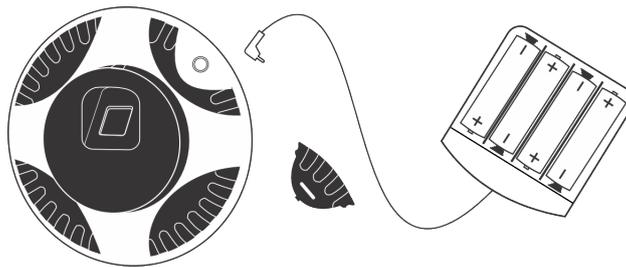
Install 4 x AA Batteries in the emergency power box, open the cache panel & plug the power box in the plug to operate your lock as usual. Don't forget to change your batteries afterward.

6.4   Stealth Box

Only available for BG45, BG65 & BG85.
A hidden stealth box is located at the bottom inside the safe below the velvet fabric.
Open the safe, gently pull over the velvet fabric & open the box using the mechanical tubular key.
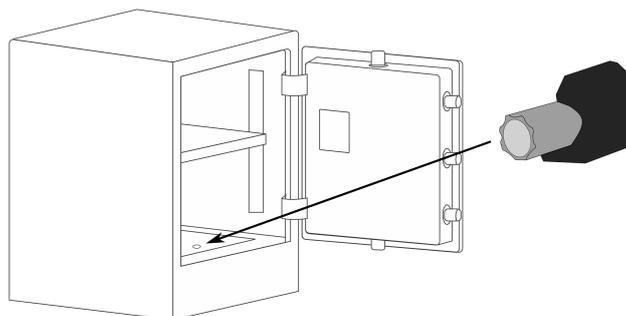
6.5   Mechanical Opening Method

In case of system failure or damage, the lock can still be opened mechanically. Open the cache panel to access the mechanical dial.
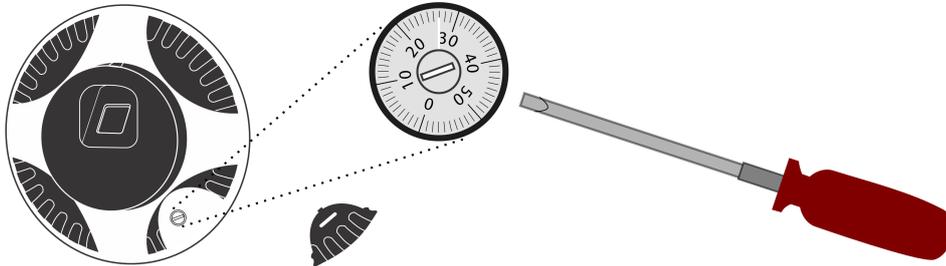
Check the opening code on **1.1 Packing list** of the user guide provided with the safe. For example: **11 - 22 - 33 - 44**. Then with the use of a screw driver:

- Turn the dial <u>clockwise</u> crossing number **11** for 3 times, stop the white cursor at number **11** at the 4th time

- Turn the dial <u>counterclockwise</u> crossing number **22** for 2 times, stop the white cursor at number **22** at the 3rd time

- Turn the dial <u>clockwise</u> crossing number **33** for 1 time, stop the white cursor at number **33** at the 2nd time

- Turn the dial <u>counterclockwise</u> and stop the white cursor at number **44**

- Keep on turning counterclockwise for half a turn

- Turn the Door Handle clockwise to open the safe

> ⚠ **Close the Safe**
>
> After opening the door, do not forget to change your batteries & **to turn the dial clockwise at least four times to restore the mechanical opening method**.

6.6 Factory Reset

To delete all datas stored in the safe system, proceed to a factory reset:

1. Open the battery cover, leave one set of 4 batteries and take one single battery out

2. Keep press **Reset Button** & re-install the battery
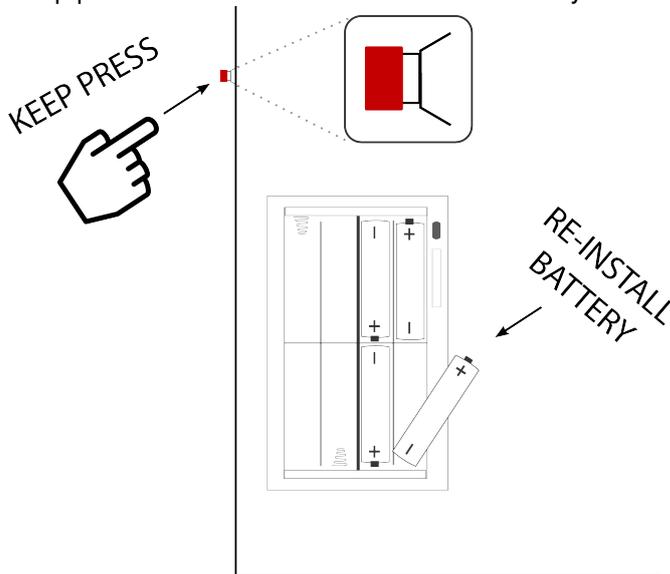
3. "Factory Reset?" will display on the screen, press **ENTER** to confirm. Factory settings are restored.

> ⚠️ **Attention**
>
> Factory reset will delete all the datas in the system:
>
> - Admin Fingerprints
> - User Fingerprints
> - Password
> - Log-in Record
> - Time
> - SMS Numbers
> - SMS Center

Chapter 7

Product Warranty

DESSMANN warrants to the original purchaser that the hardware product shall be free from defects in material and workmanship for twelve (12) months from the date of purchase.

If a defect covered by this warranty occurs during this warranty period, DESSMANN or a DESSMANN AUTHORIZED REPAIR CENTER will repair the defective hardware product or component, free of charge. The original purchaser is entitled to this warranty only if the date of purchase is registered at point of sale or the consumer can demonstrate, to DESSMANNs satisfaction, that the product was purchased within the last 12 months.

SERVICE AFTER EXPIRATION OF WARRANTY

Please try our website at www.dessmannlock.com or call the Consumer Assistance Hotline at 0086-40060-00028 for troubleshooting information and/or referral to the nearest DESSMANN AUTHORIZED REPAIR CENTER. In some instances, it may be necessary for you to ship the complete product, FREIGHT PRE-PAID AND INSURED FOR LOSS OR DAMAGE, to the nearest service location. Please do not send any products to Dessmann without contacting us first.

WARRANTY LIMITATIONS

THIS WARRANTY SHALL NOT APPLY IF THIS PRODUCT:

1. IS MODIFIED OR TAMPERED WITH

2. IS DAMAGED BY NEGLICENCE, ACCIDENT, UNREASONABLE USE, OR BY OTHER CAUSES UNRELATED TO DEFECTIVE MATERIALS OR WORKMANSHIP

3. HAS BEEN ASSEMBLED OR DISASSEMBLED, REPAIRED OR INSTALLED WITHOUT PERMISSION

4. HAS BEEN DAMAGED BY THE BATTERIES

5. AS HAD THE SERIAL NUMBER ALTERED, DEFACED OR REMOVED.

ANY APPLICABLE IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY LIMITED IN DURATION TO THE WARRANTY PERIODS DESCRIBED ABOVE (12 MONTHS). IN NO EVENT SHALL DESSMANN BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES RESULTING FROM THE BREACH OF ANY IMPLIED OR EXPRESS WARRANTIES.

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