Installers & User guide
Smart Deadbolt
Due to app updates, there may be changes to this manual. Please contact Linnea for help at help@linnea-home.com.
In The Box

Front Assembly
Rubber Gasket
Back Assembly
Battery Case Lid

Bolt Assembly
Strike Plate Housing & Strike Plate
Screw Holder

Drill Sheet

5mm Bolt Screw x 2
25mm Wood Screw x 4

5mm Bolt Screw x 3
22mm Bolt Screw
80mm Tailpiece

Batteries x 4
Keys x 2
# Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Model</strong></td>
<td>Linnea SDB-110BT</td>
</tr>
<tr>
<td><strong>Material</strong></td>
<td>Zinc Alloy</td>
</tr>
<tr>
<td><strong>Current Rating (Standby)</strong></td>
<td>$\leq 30\mu A$</td>
</tr>
<tr>
<td><strong>Current Rating (Active)</strong></td>
<td>$\leq 200\text{mA}$</td>
</tr>
<tr>
<td><strong>Batteries</strong></td>
<td>4 x AA Alkaline (Non-Rechargeable)</td>
</tr>
<tr>
<td><strong>Unlock Mechanism</strong></td>
<td>Bluetooth, Passcode, Keys</td>
</tr>
</tbody>
</table>

## Dimensions

<table>
<thead>
<tr>
<th>Side</th>
<th>Front</th>
<th>Back</th>
</tr>
</thead>
<tbody>
<tr>
<td>30mm</td>
<td>60mm</td>
<td>45mm</td>
</tr>
<tr>
<td>60mm</td>
<td>155mm</td>
<td>60mm</td>
</tr>
</tbody>
</table>
Requirements

Door Thickness & Gate Clearance

Height & Width

35mm

38mm - 50mm

10 mm

10 mm

133 mm

>110mm (60mm bolt tongue)

or

>120mm (70mm bolt tongue)
Lock Anatomy

Outer Body

- Touch Screen Keypad
- Keypad
- Keyhole Cover (Release pins to access physical key unlock)
- 9V Jumpstart

Inner Body

- Battery Cover
- Battery Cover Release
- Thumbturn
- Privacy Lockout Button
Preparing Door for Installation

Items needed:

- Drill Sheet
- Drill
- 10mm Drill Bit
- 54mm Hole Saw
- #2 Phillips Screw Driver
- 20mm Spade Bit
- 20mm Chisel
- Hammer

Recommended

Door and door frame material: **Wood**

Gap between door and door frame: < **3mm**

* Please ensure that there is an existing handle on your door for push - pull access.

* **Not for:** metal gates, glass doors or sliding doors.

If you are unsure if your door is suitable, contact us at: support@linnea-home.com
How to use the Drill Sheet

Drilling (Door)

1. Fold here before drilling holes for side
2. Make sure this is aligned to the centre of door edge

Door edge

Chiseling

Put the bolt tongue in & chisel around the edge

Depth Width: 2 - 3mm or until bolt assembly plate is flush against door

* Mark the center of the holes and then drill for accuracy.
Prepare Lock For Installation

1. Set Back Assembly for Left / Right Installation

- **Right Installation**
  Set the toggle to ‘R’ for right-side installation.

- **Left Installation**
  Set the toggle to ‘L’ for left-side installation.

2. Remove Battery Cover

3. Change Tailpiece (Optional)

For door thickness > 50mm, change the default (60mm) tailpiece attached to the 80mm tailpiece.
Installation Instructions

1. **Measure**

If you are replacing your current deadbolt lock, industry standards are 60mm or 70mm backset. To determine which backset length you should use, measure the distance (x) between the center of a 54mm hole to the door edge.

Prepare bolt assembly based on the distance (x)

Bolt ships with bolt assembly in 60mm position. If required, twist the bolt and pull to extend (simultaneously) to 70mm backset position (current drill dimensions are fitted for 60mm position).
2 Insert Bolt and Front Assembly into door edge

The ‘+’ hole on the backset should be in the middle of the hole.

Screws

25mm

3 Secure the Front Assembly using the Back Plate

To do this, place the Back Plate (ensuring the correct side placement).
Screw it to the Front Assembly using the three 40mm screws.

4 Connect Wire Connector

Connect the Wire Connector from the Front Assembly though the 54mm hole to the Back Assembly. Ensure that the wire is installed properly and securely.
5 Fit Back Assembly to the Door Tailpiece

Ensure thumbturn position is turned to ‘unlock’ position.
Secure the Back Assembly

Screws

- A 5mm
- B 22mm

Insert 4 of AA Batteries

Before closing the battery case lid.
Test Lock

Place hand over your lock to activate touchpad and hold # to lock.

Does your bolt unlock?

Yes

Congrats!
Your lock is correctly installed. Proceed to next steps.

No

Does the bolt tongue slide out when you turn the thumbturn?

Yes

Left-Right toggle incorrectly set

Troubleshoot: Try Setting the left-right toggle on your back assembly to the correct side. (See Pg. 10)

No

Tailpiece and/or thumbturn incorrectly set

Troubleshoot: Disassemble lock and install it again.

Still experiencing issues?
Contact Linnea Support for more help.
Preparing the Door Frame

1. Ensure to align the lock to the door frame and mark it down.

2. Mark out where the bolt tongue locks then drill a corresponding hole on door frame. Chisel to fit the strike plate in as well.

3. Secure strike plate housing and strike plate using 2 x 25mm wood screws.
Pairing

Download TTLock app from App Store/Google Play

Register a new account or,

Login with an existing account on app

CHECKLIST

☐ Lock has not been paired
☐ The keypad stays awake during pairing
☐ Turn on your phone’s Bluetooth and Internet connection

Setup

1. Home > Add Lock > Lock

2. Touch the keypad on the Smart Deadbolt and tap Next in the app to reveal active locks in range

3. Select your device

4. A chime will notify you that your phone is connected

5. Tap Upload Data to load the main menu (Lock Management)

Update App

Before proceeding, turn on your Bluetooth and ensure that you are within Bluetooth range of the lock.

To update app go to Lock Management > Settings > Lock Upgrade
Features

Passcode / Bluetooth Unlock

** Bluetooth Master Key
The Linnea Smart Deadbolt unlocks with Bluetooth via the app.

Master Passcode
The Linnea Smart Deadbolt unlocks with a permanent Master Passcode.

Decoy Passcode Code
A total of 16 decoy digits including passcode can be entered to prevent the passcode from being exposed.

User Passcode
The mobile app can generate user passcodes, with validity duration from One-Time, Permanent, or a Duration based on Date-time.

Bluetooth Guest Key
Bluetooth keys based on duration can be generated and shared with guests.

Lock / Unlock

Timer Re-lock
After successfully unlocking, the Linnea Smart Deadbolt will re-lock after a period of time (between 5 to 120 seconds). The owner sets this function.

Manual Locking
Hold the ‘#’ key for 2 seconds to lock the Linnea Smart Deadbolt.

Security / Alarms

Security Lockout Mode
After 5 consecutive unsuccessful attempts at entering a passcode, the Linnea Smart Deadbolt will sound an alarm and be unresponsive for 5 minutes. Physical key and Bluetooth Unlock can be used to unlock in this state.

Privacy Lockout Mode
Activate this from indoors to prevent entry from outsiders. Physical key can be used to unlock in this state.

Activity Logs
Entry via passcodes and Bluetooth Key will be logged in the app.

Bluetooth key access logs are updated in real-time and passcode access logs are updated when the owner uses a bluetooth key or update logs.

Tamper Alarm
The lock will sound if intruders try to pry the lock from the door.
Unlocking

To unlock the door

Passcode / Decoy Passcode

Physical Key

TTLock App
Bluetooth Basic Unlock

Legend

Passcode
Key in your passcode and press ‘#’

Decoy Passcode
Key in up to a total of 16 digits, including the passcode, followed by ‘#’

Bluetooth Guest Key
Refer to lock tutorial

Physical Key
Use the physical key to unlock the door

Thumbturn
Use thumbturn at the back of lock
Locking

To lock the door

Legend

- **‘#’ Key**
  - Press and hold ‘#’

- **Physical Key**
  - Use the physical key to lock the door

- **Timer Re-Lock**
  - Refer to Lock Tutorial - Step 7

- **Thumbturn**
  - Use thumbturn at the back of lock
**Lock Tutorial**

1. **Default factory Passcode**
   
   In the factory mode (before pairing), the Passcode to unlock is *1234567890 #*

2. **Setting Master Passcode**
   
   Before proceeding, turn on your Bluetooth and ensure that you are within Bluetooth range of the lock.

   1. **Lock Management > Setting > Admin Passcode**
   2. If prompted, enter your account password and tap **OK**.
   3. Set admin passcode and save (this is your **Master Passcode**).

3. **Adding new Passcode**
   
   New passcodes can be added from
   
   **Lock Management > “Send Passcode” > Select the passcode type from the top bar**

<table>
<thead>
<tr>
<th>Passcode Type</th>
<th>Description</th>
<th>Steps</th>
<th>Activate within*</th>
</tr>
</thead>
<tbody>
<tr>
<td>One-time</td>
<td>Single-use, short term passcode *Must be used within 6 hours</td>
<td>Tap <strong>Generate</strong></td>
<td>6 hours</td>
</tr>
<tr>
<td>Permanent</td>
<td>General use passcode</td>
<td>Tap <strong>Generate</strong></td>
<td>24 hours</td>
</tr>
<tr>
<td>Timed</td>
<td>Passcode with set time frame</td>
<td>Set <strong>Active</strong> and <strong>Expire</strong> times &gt; <strong>Generate</strong></td>
<td>24 hours</td>
</tr>
<tr>
<td>Cyclic</td>
<td>Regularly occurring passcode</td>
<td>Set days &gt; Set <strong>Active</strong> and <strong>Expire</strong> times &gt; <strong>Generate</strong></td>
<td>24 hours</td>
</tr>
<tr>
<td>Customized</td>
<td>Set your own passcode and time frame</td>
<td>Set <strong>Active</strong> and <strong>Expire</strong> times &gt; <strong>Set Passcode</strong> &gt; Enter 4-9 digit passcode * Must be done near the lock to become active</td>
<td>24 hours</td>
</tr>
<tr>
<td>Erase</td>
<td>Generate new passcode while deleting previous passcodes</td>
<td>Tap <strong>Generate</strong></td>
<td>24 hours</td>
</tr>
</tbody>
</table>

*To activate, unlock once with the passcode. If unactivated within this period of time, the passcode will become invalid.*
Deleting Passcodes

To delete one at a time, go to Lock Management > Passcodes > Long press on passcode > Delete

To delete all passcodes at once, go to Lock Management > Passcodes > Options (upper right corner) > Reset Passcode > Reset > Enter account password > OK

* Master passcode cannot be changed via this method; refer to step 2.
* If at any time an error beep (4 consecutive beeps) is heard, restart the program from the beginning.

Activity Logs

To view the activity log, go to Lock Management > Records

Use the search bar to find specific records.

Ownership Transfer

The new owner will need to register a TT Lock account before proceeding.

To transfer ownership to another user, go to System Settings > Transfer Locks > Select Lock > Next > Enter new owner’s TTlock user account > Next

Change the master passcode under Lock Management.
Enabling & Disabling Timer Re-Lock*

To Enable  
`* 2 1 # <Master Passcode> # <Duration between 5-120 seconds> #`

To Disable  
`* 2 0 # <Master Passcode> #`

To Enable  
Lock Management > Setting > Auto Lock > Check the box next to Auto Lock > Set the time for the Auto Lock to engage (between 5 and 120 seconds) > OK

To Disable  
Setting > Auto Lock > Uncheck the box next to Auto Lock

* By default, Timer Re-lock is disabled.

Privacy Lockout Mode

To prevent others from using passcode and Bluetooth Key to unlock while you are inside the property. Note: Physical key can be used to unlock in this mode.

To Activate  
Press the Privacy Lockout button located below the thumb turn on the back of the lock. You will hear a long beep to indicate the keypad lockout is activated.

To Disable  
Press the Privacy Lockout button located below the thumb turn on the back of the lock. You will hear a quick 2 beeps to indicate the keypad lockout is disabled.
**Bluetooth Key Sharing**

Bluetooth sharing allows you to share a Bluetooth Key with other users for mobile access. It allows your guests to unlock the Linnea smart lock via Bluetooth.

**To create a Bluetooth Key,** go to **Lock Management > Send eKey >** Choose the type of eKey > Tap the icon next to **Account** to select the eKey recipient from your phone’s contacts list > Name the eKey as desired (contact list name is entered by default) > Set **Active** and **Expire** times > **Send**

**To receive a Bluetooth Key,** download the TTLock app from iTunes or Google Play store and register/login to your account

*Note: Bluetooth Key must be accepted within 1 hour of generation before it expires*

**To delete a Bluetooth Key,** go to **Lock Management > eKeys > eKey Info > Delete**

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**9V Jumpstart Feature**

Step 1 - Touch and hold the battery contacts against the 9V jumpstart pin on the lock and you will hear a series of beeps

Step 2 - While holding the 9V battery to the jumpstart, key in your passcode on the keypad followed by ‘#’ to unlock
## Lock Behavior

<table>
<thead>
<tr>
<th>Activated by</th>
<th>Security Lockout Mode</th>
<th>Privacy Lockout Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5 consecutive invalid passcodes</td>
<td>Press the Privacy Lockout button located below the thumb turn on the back of the lock till you hear a long beep</td>
</tr>
<tr>
<td>Disable By</td>
<td>Wait for 5 Minutes Bluetooth Unlock Physical Key</td>
<td>Press Privacy Lockout Button Physical Key Thumbturn</td>
</tr>
<tr>
<td>Behavior</td>
<td>Keypad is flickering</td>
<td>Keypad does not light up</td>
</tr>
<tr>
<td>Duration</td>
<td>Unresponsive for 5 minutes</td>
<td>Unresponsive until Privacy Lock Mode is disabled</td>
</tr>
</tbody>
</table>
Troubleshoot

Pairing is unsuccessful

- Try with a different mobile device, using the same username and password
- Update your phone’s operating system to the latest version
- Restart the Bluetooth and internet connection on your mobile device
- Restart TTLock app on your mobile device
- Switch to a new set of batteries

Keypad does not light up

- Use a 9V battery to jumpstart and switch to a new set of batteries
- Check if the Smart Deadbolt is in Privacy Lockout Mode

Keypad is flickering

- The Smart Deadbolt is low in battery. Switch to a new set of batteries

Generated passcodes do not work

- Make sure that the generated passcodes are activated within the given hours
- Do a Bluetooth Unlock to refresh the app
- Passcodes may have been customized or expired

Changing Batteries

- To open the battery compartment, push the pin at the top of the back assembly and slide the cover upwards
- Replace all four batteries

Lock is not working when battery level is not 100%

- Do a Bluetooth Key unlock to refresh the battery level on the app
- Battery level shown in the app may not be accurate
- Use Alkaline batteries only
- Do not use: Heavy Duty, Eveready, GP, or rechargeable batteries

* Using high quality batteries will improve the performance and lifespan of the lock

Bluetooth Key is not working

- Restart the Bluetooth and internet connection on your mobile device
- Check on the timezone of the home listing against your phone time
- Check if the Bluetooth Key is expired. It must be accepted within 1 hour of generation
- Update your TTLock app to the latest version
- Switch to a new set of batteries

Re-lock is not working

- Check battery level of the lock
- Make sure you have enabled timer re-lock

Keypad lights up on touch only

- Check if the Smart Deadbolt is in security lockout mode
- Refer to Lock Tutorial

* Using high quality batteries will improve the performance and lifespan of the lock
For questions, contact us at:
1 (800) 219-2366
help@linnea-home.com