

Operating instructions

Cabinet and locker lock – BS80MLM41/42



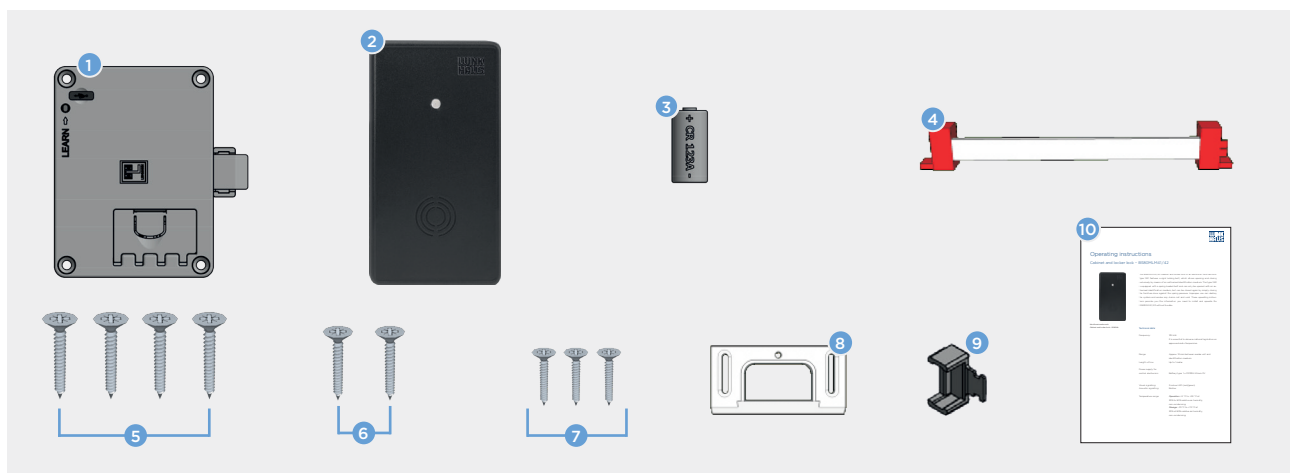
blueSmart reader unit:
Cabinet and locker lock – BS80ML

The BS80MLM41/42 cabinet and locker lock is an electronic furniture lock. Type M41 features a rigid locking bolt, which allows opening and closing exclusively by means of an authorised identification medium. The type M42 is equipped with a spring-loaded bolt and can only be opened with an authorised identification medium, but can be closed again by simply closing the furniture door against the spring pressure. Improper use can destroy the system and render any claims null and void. These operating instructions provide you the information you need to install and operate the BS80MLM41/42 without trouble.

Technical data:

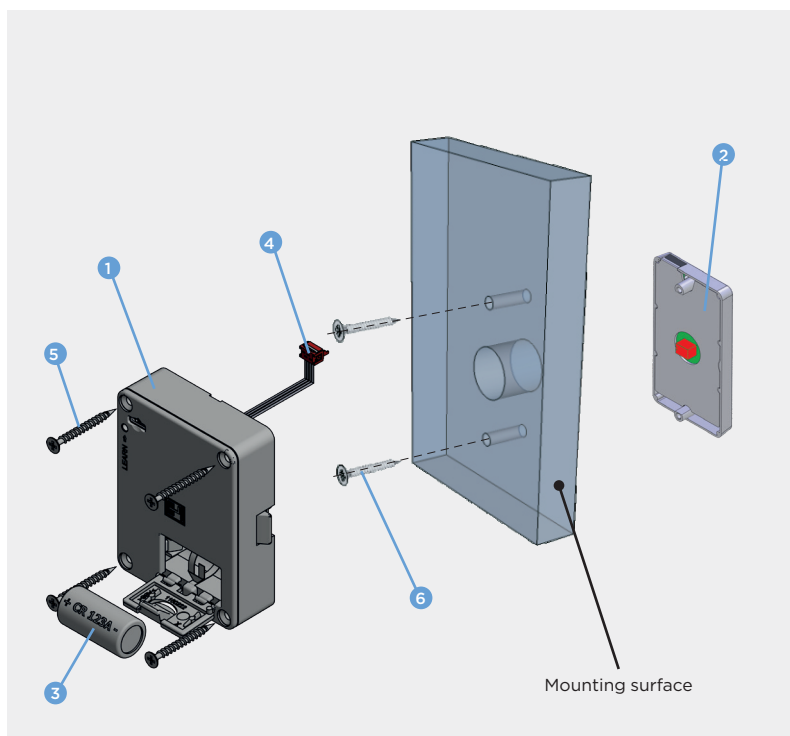
Frequency:	125 kHz It is essential to observe national legislation on approved radio frequencies.
Range:	Approx. 10 mm between reader unit and identification medium.
Length of line:	Up to 1 meter
Power supply for control electronics:	Battery type: 1 x CR123A lithium 3V
Visual signalling:	2-colour LED (red/green)
Acoustic signalling:	Buzzer
Temperature range:	Operation: +5 °C to +50 °C at 30% to 80% relative air humidity, non-condensing. Storage: -25 °C to +70 °C at 30% at 80% relative air humidity, non-condensing.

Package content:

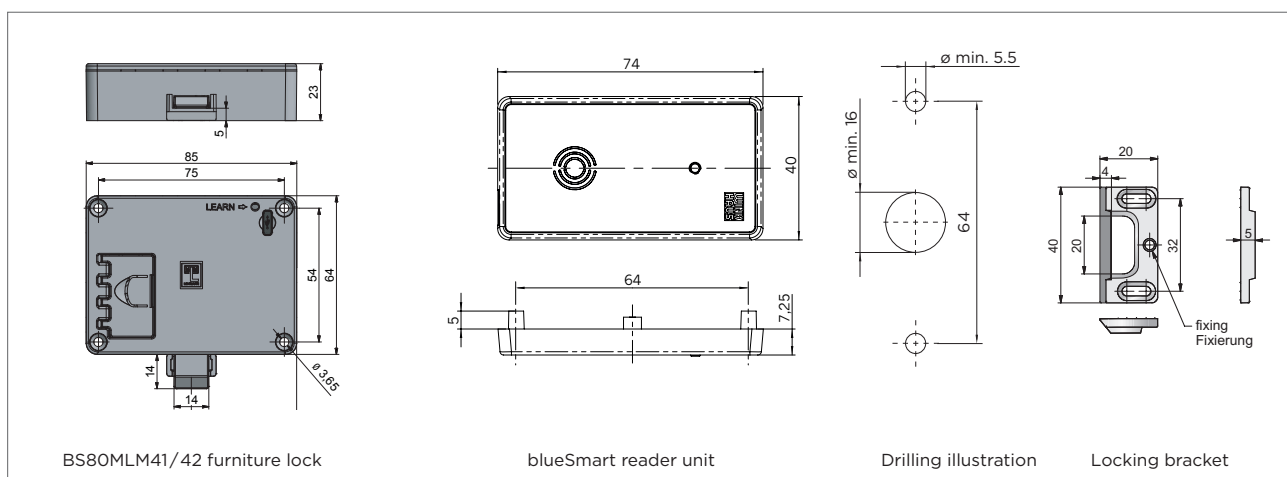


System components:

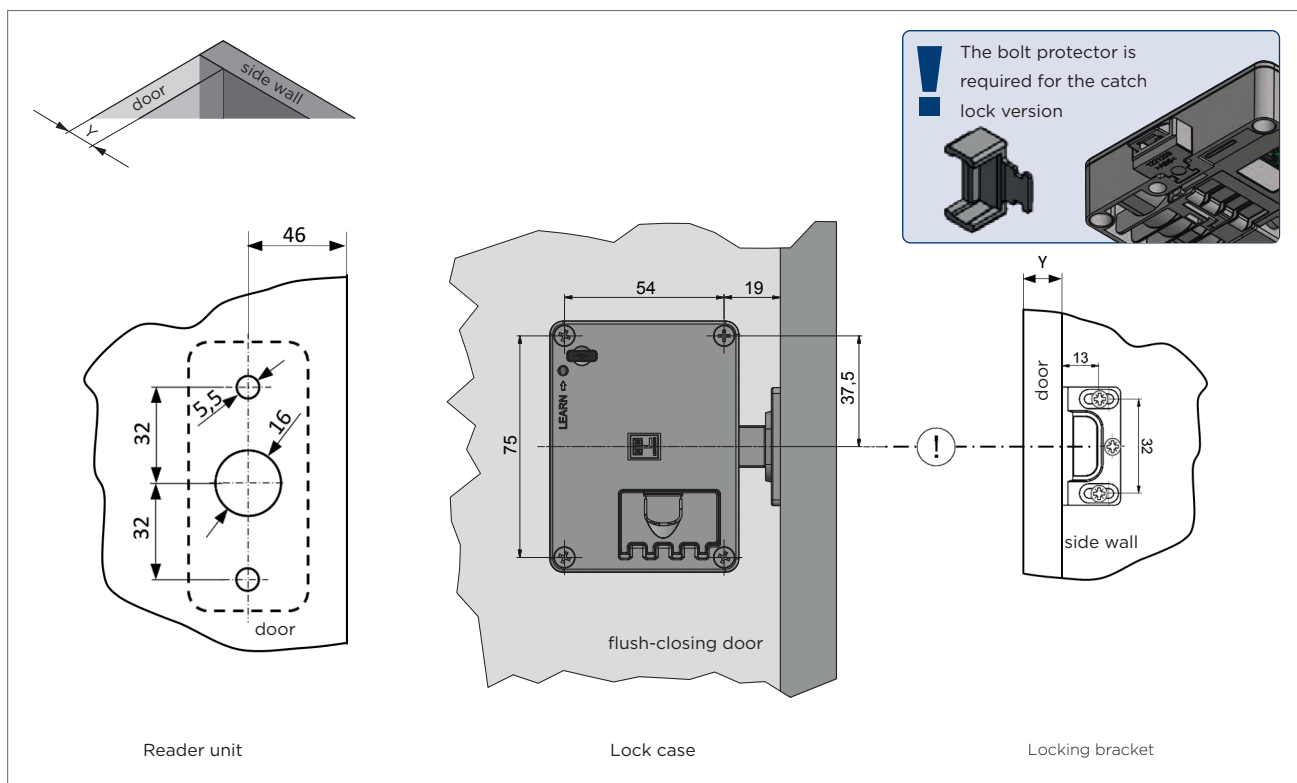
- 1 BS80MLM41/42 furniture lock
- 2 blueSmart reader unit
- 3 Batterie (1 x CR123A lithium 3V)
- 4 Connecting cable (100 mm)
- 5 4x screw (3,5x35)
- 6 2x thermoplastic screw (3x20)
- 7 3x screw (3x13)
- 8 Locking bracket
- 9 Bolt protector
- 10 Operating instructions



Dimensions:



A: Overlapping door (x = thickness of side wall)



Description of operation:

The BS80MLM41/42 electronic locking system lets you conveniently lock and unlock your furniture electronically! The BS80MLM41/42 allows selective access authorisations to be issued, so that only authorised persons will be granted access to certain furniture. Each electronic control unit in the BS80MLM41/42 system functions self-sufficiently without cable connection to other control units and the power grid. The free locker selection feature is available as an option (not M42). **Prerequisites:** blueSmart software bcPro from version 4.6.10 or bCS, bCS V from version 5.5.

Displays and operating elements:

- 1 Emergency power supply via micro USB
- 2 Visual display
- 3 Internal reception antenna
- 4 Screw sleeves for fastening
- 5 Connection for connecting cable from blueSmart reader to furniture lock



Commissioning/changing batteries:

Make sure that the lock and RFID reader are properly linked with the connection cable. The correct position and connection of plugs and sockets is of utmost importance.

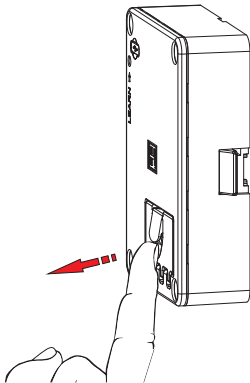


Figure 1

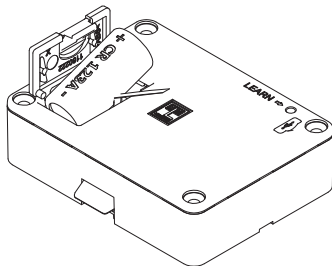


Figure 2

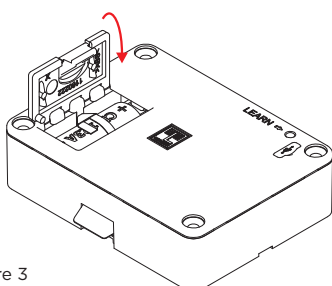
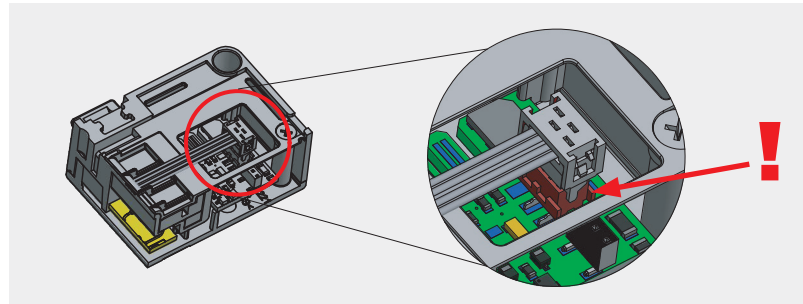


Figure 3



1. Open the lid of the battery case, as shown in the sketch.
2. Insert the battery, putting the negative terminal first.
The battery is placed onto the battery removal ribbon with the end of the ribbon extending beyond the battery.
For removal pull the ribbon.
3. Close the lid of the battery case with correctly positioned ribbon.



Only mount the furniture lock into the piece of furniture when it is unlocked. Use type CR123A lithium 3V batteries only.

Conducting an emergency opening:

If the batteries in the lock unit are empty and an emergency opening will have to be informed, please use the micro USB power adapter (Item no.: 5046900). To do so, remove the USB plugs on the bottom of the reader unit and connect the power adapter to the reader unit using the enclosed cable and the other side with a 5V powerbank or the BXP (USB connection at the front). You will then be able to open the cabinet with an authorised identification medium after 10 seconds at most. Please change the batteries of the lock housing at once.

Visual and acoustic indicators:

	LED red	LED green	Acoustic signal
Authorised key opening			
The signal is made after the authentication check has been conducted and the release position has been reached.		✓	1x 300 ms
Authorised key closing			
The signal is made after the authentication check has been conducted.	✓		1x 300 ms
Unauthorised key			
The signal is made after the authentication check has been conducted.	✓		1x 750 ms
Triggering without key			
This signal is given if the electronics are triggered by an external 125 kHz signal or by an oscillating circuit, but no valid key data can be read after approx. 270 ms. This makes it possible to detect unintentional triggering of the electronics in an environment prone to interference which could cause a battery discharge or other malfunctions (when reading a key, for example).			1x 8 ms
Release position cannot be reached			
This signal will be given if the dead bolt does not reach the release position (e.g. deadbolt blocked, fouling).	✓		10x 50 ms
Locking position cannot be reached			
This signal will be given if the dead bolt does not reach the locking position (e.g. deadbolt blocked, fouling). If communication to the motor unit is interrupted, the operation will be aborted after the signal. Otherwise, it will attempt to engage in locking position again after a few seconds. If the first attempt is successful, the operation will end, otherwise the operation will be repeated up to five times. After that, up to two "secret attempts" (without signalling) for motor activation will follow at an interval of 60 s. An activation attempt will also occur if a key is detected during this time.	✓		10x 50 ms
Battery warning			
If the user ignores the status report "Battery near the end of its life," a continuous tone will sound for 5 seconds if the motor unit reports a completely discharged battery.	✓		5x (200 ms signal, 200 ms pause, 750 ms signal, 200 ms pause)
Time error			
If the reader unit is without battery for too long (max. 10 seconds), because the battery is being changed, for instance, then the time of day on the reader unit must be synchronised using a programming device.	✓		10x 10 ms



Safety instructions:

- When replacing the batteries, pay attention to make sure that the polarity is correct and the batteries are seated properly!
- Do not heat, disassemble or short-circuit the batteries!
- The batteries may not be charged!
- Never throw batteries in open fire!
- Keep the batteries out of reach of children!
- Persons who have swallowed the batteries must seek immediate medical attention!
- Damaged and/or leaky batteries can cause skin irritation and/or poisoning!

Upkeep and maintenance:

- Do not pour liquids into or over the individual components of the system and never submerge the components in liquids.
- The product should not be exposed to direct sunlight.
- Only clean the system using a clean, soft and slightly dampened cloth.
- Do not use any cleaning products which contain abrasives or solvents such as glass, thinners, alcohol, mineral spirits or ammonia, since these can attack the housing.
- Improper handling of all electronic and mechanical components in a manner contrary to this user manual may cause malfunctions.

Disposal:



Environmental damage caused by batteries and electronic components that are improperly disposed of!

- Do not dispose of batteries with household waste! Defective or used batteries must be disposed of in accordance with European Directive 2006/66/EC.
- It is forbidden to dispose of the product with household waste, the disposal must be performed according to the regulations. Therefore, dispose of the product in accordance with European Directive 2012/19/EU at a municipal collection point for electrical waste or have it disposed of by a specialist company.
- Commercial customers can optionally return the product to Aug. Winkhaus GmbH & Co. KG, Entsorgung/Verschrottung, Hessenweg 9, 48157 Münster. Return only without battery.

Compliance:



Aug. Winkhaus GmbH & Co. KG herewith declares that the device is compliant with the basic requirements and the relevant rules of the directive 2014/53/EU. The complete version of the EU declaration of conformity is available at:
www.winkhaus.com/konformitaetserklaerungen