

7453

SHIELD

**OPERATING
MANUAL**

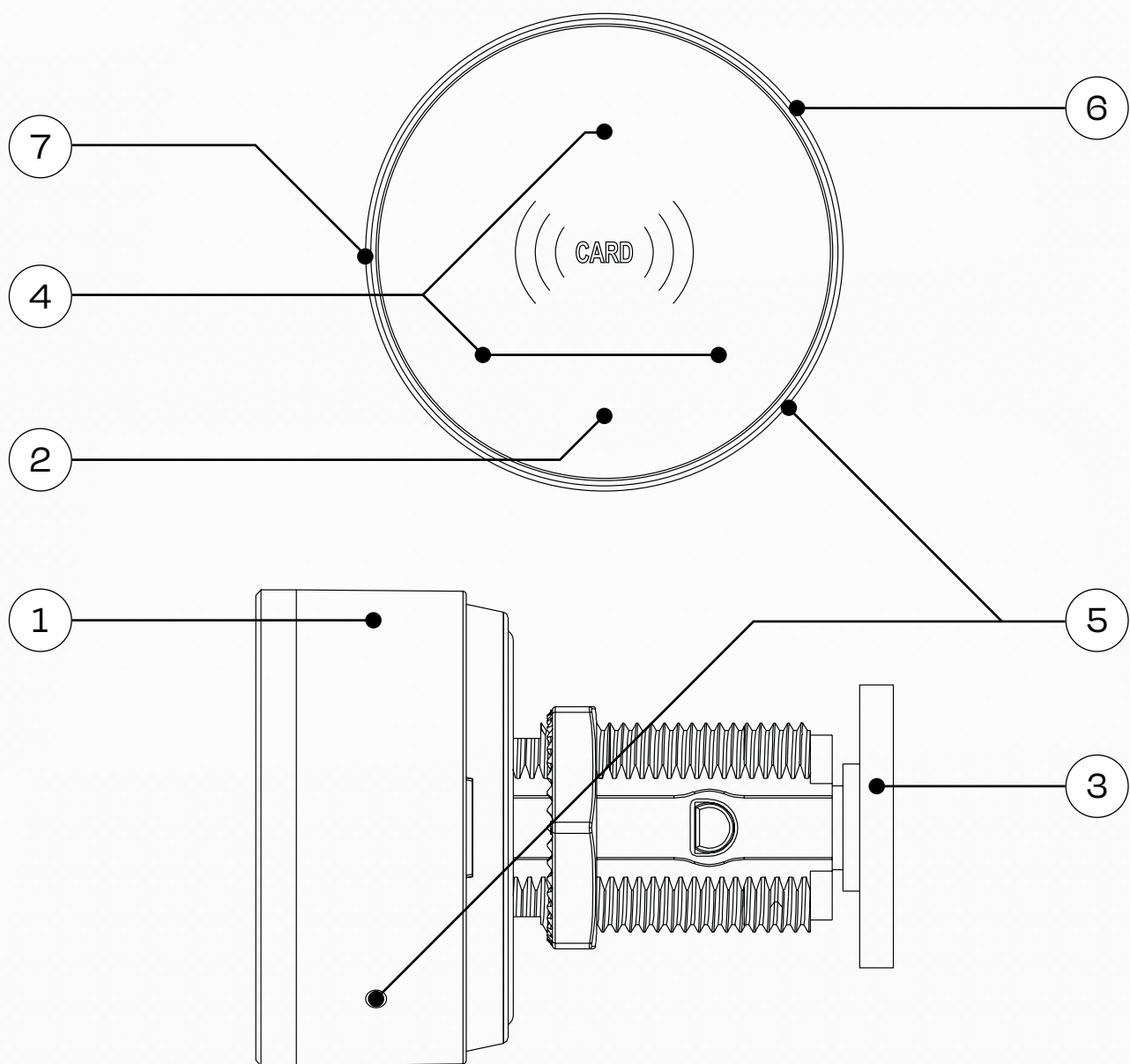


Please read this before
using the 7453 Shield

Introduction	3
Description	4
Clearance levels	4
Required components & tools	4
Initialise	5
Default PINs	5
Master	5
Master fob set up	5
Master PIN change	5
Public mode	6
Public user pin	6
Public mode auto-open timer	6
Public user fob	6
Private mode	6
User PIN	6
User fob	6
User fob deletion	6
Factory Reset	7
Warnings	7
Emergency power	7
Anti-tamper alarm	7
Limited warranty	8
Delivery lead times	8
Terms	8
Pricing	8
Accessories	8
Pin storage	9

INTRODUCTION

1. Lock body
2. Lock face
3. Cam
4. LED
5. Brass Pin
(Access to USB and
battery drawer)
6. USB
7. Battery Drawer



001 DESCRIPTION

The Shield 7453 is a sleek RFID digital cam lock designed to retrofit standard 19mm cam locks. It's built for private use across lockers, cabinets, and shared storage in offices, schools, and industrial sites.

The lock operates using 13.56MHz Mifare Classic RFID cards, fobs, or wristbands, and features a robust satin chrome alloy construction. It includes a cam tongue locking mechanism, USB-C emergency power, and external battery access.

003 REQUIRED COMPONENTS & TOOLS



Note: Confirm that all lock parts are present. If there are damaged or missing parts contact KSQ immediately



Note: Fobs are interchangeable with RFID cards and wristbands.

To set up and install the Shield 7453 you will require:



Lock body



SOLD SEPERATELY

Striker plate



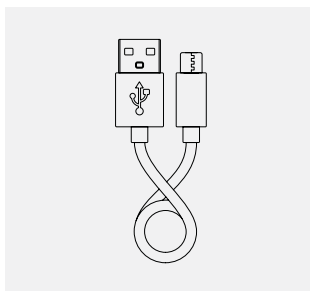
SOLD SEPERATELY

CR2450 lithium battery

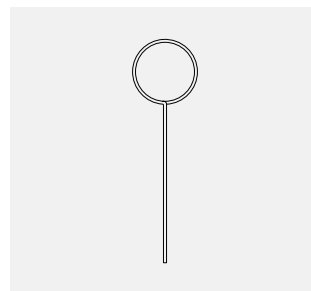


SOLD SEPERATELY

3 RFID Mifare fobs



USB C Cable



Probe

004 INSTALLATION

Before first use, the Shield 7453 must be powered with a CR2450 lithium battery.

1. Use the supplied probe to press the brass pin on the lower right side of the lock body.
2. Rotate the front housing slightly anti-clockwise and pull to access the battery compartment.
3. Insert the battery into the clip with the **negative (knurled) side facing up**. Ensure the flat edge of the clip is aligned to the top of the compartment.
4. Push the battery clip fully into the lock. You may need the probe to assist.
5. Reattach the lock body by rotating it clockwise until it clicks into place.

004 INITIALISE

Once the battery is installed, the lock can be programmed for use.

- The Shield is supplied in private mode by default.
- You'll need a set of compatible 13.56MHz Mifare fobs or cards.

Follow these steps to assign fobs:

1. Assign **owner fob**
Present any blank RFID fob or card to the reader. This becomes the first **owner fob**. To add additional **owner fobs**, present your first **owner fob** to the lock face 2 times then allocate your fob. Up to 3 **owner fobs** can be assigned.
2. Assign **master fob**
Present an **owner fob** 4 times. When the LED flashes, present the **master fob**. You may assign up to 2 **master fobs**.
3. Assign **user fob**
Present an **owner fob** 3 times. When the LED flashes, present a **user fob**. You may assign up to 2 **user fobs**.

The lock is now set up in Private Mode and ready for use.

004 FACTORY RESET

To remove all programmed fobs and return the lock to factory settings, use one of the following methods:

Option 1 — Using an **owner fob**

1. Present the **owner fob** to the lock 6 times.
2. The lock will beep twice to confirm reset.
3. All fobs (**owner**, **master**, and **user**) are now cleared.

Option 2 — Manual Reset

1. Unlock the lock using an **owner** or **master fob**.
2. With the door open and the cam in the locked position, insert the probe into the reset hole on the back of the lock.
3. Hold until you hear 2 beeps confirming reset.



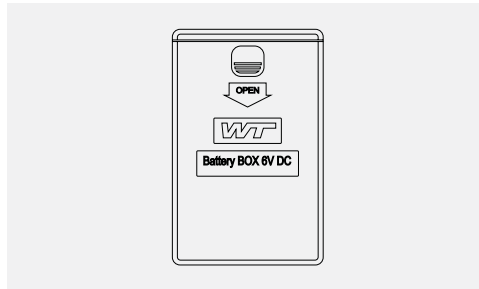
WARNINGS

- The Shield 7453 includes an anti-tamper alarm that may activate after repeated invalid access attempts. Cancel the alarm by presenting a valid **owner** or **master fob** to the lock.
- The lock will emit three short beeps if an unrecognised RFID card or fob is presented.

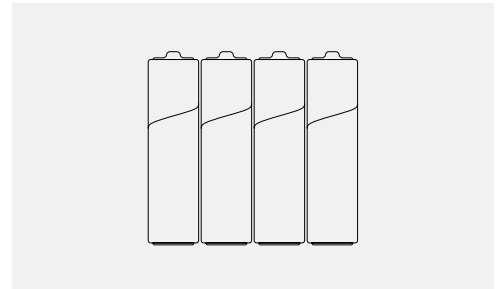
EMERGENCY POWER

Continuous beeping indicates battery is low and requires changing as lock may not operate with flat battery. If the lock is stuck in the locked position due to a flat battery:

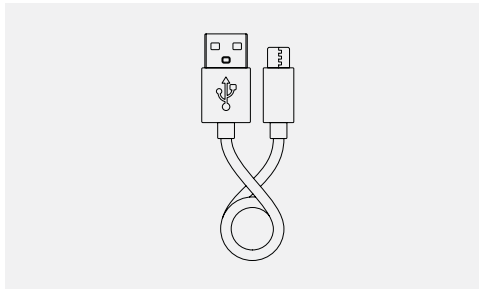
- Connect an emergency power pack to the small USB C input.
- Unlock the lock using a valid **owner** or **master fob**.



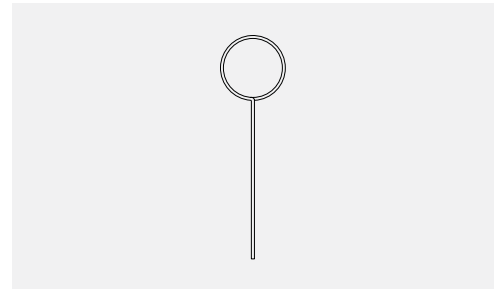
Emergency power supply



4 AAA batteries



USB C Cable



Probe



⁰¹⁸ **LIMITED WARRANTY**

KSQ offers a 12-month manufacturers warranty subject to KSQ terms and conditions. Contact us for more information.

⁰¹⁹ **DELIVERY LEAD TIMES**

KSQ generally carry several hundred locks in stock but due to unexpected major projects that come in time to time our stock can be diminished. Before placing orders please check with sales@ksq.com.au for inventory updates.

If our stock is below your project requirements our average lead time for delivery is between 35-45 days from your purchase order date.

⁰²⁰ **TERMS**

KSQ terms are payment prior to delivery. Deposits can be made to reserve stock for up to a maximum of 21 days before it is restocked for sale. For large quantity orders from 500+ locks such orders will be placed on our supplier so that rolling stock can service smaller orders.

A deposit of 30% is required concurrent with purchase order with the balance of 70% payable when order is ready to be shipped ex-factory.

⁰²¹ **PRICING**

Pricing Pricing and specifications may be subject to change without notice. Prices are based on KSQ current Price Lists and trade discounts are subject to minimum quantity orders found on our current Price List.

⁰²² **ACCESSORIES**

Locks are supplied excluding batteries. Emergency power banks, USB cables, RFID fobs, cards or other RFID devices sold separately. Orders 100+ locks include power bank USB cable and programming fobs.

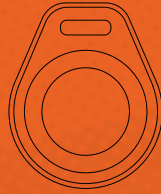


FOB HOLDERS

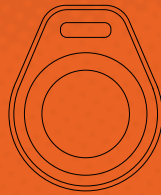


ATTENTION:

If you plan to use this page to store your information, keep it in a secure place.



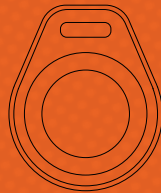
Owner fob



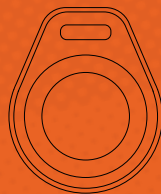
Owner fob



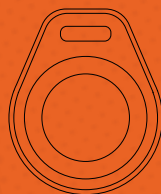
Owner fob



Master fob



Master fob



Master fob

NOTES

[illegible]

NOTES

[illegible]

NOTES

[illegible]



CONTACT US

- ✉ sales@ksq.com.au
- 🌐 www.ksq.com.au
- ☎ 1300 311 556
- 📍 5/89 Derby Street
Silverwater, NSW 2128

