

ABUS 770A SmartX

ABUS 770A SmartX U-Lock Instruction Manual

Model: 770A SmartX

1. INTRODUCTION

Welcome to the ABUS 770A SmartX U-Lock instruction manual. This document provides essential information for the proper setup, operation, and maintenance of your smart bicycle lock. The ABUS 770A SmartX combines robust security features with modern Bluetooth technology for convenient, keyless operation.

Please read this manual thoroughly before using your ABUS 770A SmartX U-Lock to ensure optimal performance and longevity.

2. PRODUCT OVERVIEW

The ABUS 770A SmartX is a high-security U-lock designed for bicycles, featuring smart functionalities controlled via a smartphone app.

Key Features:

- Bluetooth connectivity for keyless locking and unlocking via smartphone.
- Integrated 100 dB alarm with 3D Position Detection to deter theft.
- Hardened 13 mm square parabolic shackle for enhanced resistance against attacks.
- Operation via the free ABUS One app (iOS and Android compatible).
- USB-C connection for convenient charging.
- Includes USKF holder for transport on bicycle frame tubes (18 to 70 mm).

Components:

- ABUS 770A SmartX U-Lock
- USKF Holder
- USB-C Charging Cable (not always included, check packaging)
- Quick Start Guide (separate document)



Figure 1: The ABUS 770A SmartX U-Lock, showcasing its robust design and integrated speaker for the alarm function.

3. SETUP

3.1 Initial Charging

Before first use, fully charge the U-lock using the provided USB-C cable. Connect the cable to the USB-C port on the lock and to a suitable USB power source. The charging indicator will provide status information.

3.2 App Installation and Pairing

1. Download the "ABUS One" app from your smartphone's app store (available for iOS and Android).
2. Open the app and follow the on-screen instructions to create an account or log in.
3. Initiate the pairing process within the app. You may be prompted to scan a QR code or enter a

keycard number provided with your lock to establish the initial Bluetooth connection.

4. Ensure your smartphone's Bluetooth is enabled and keep it close to the lock during pairing.

3.3 USKF Holder Installation

The USKF holder allows for convenient transport of the U-lock on your bicycle frame.

1. Identify a suitable round frame tube on your bicycle, between 18 mm and 70 mm in diameter.
2. Attach the plastic clamp of the USKF holder to the frame tube. Use the rubber inserts to ensure a secure fit and prevent scratching.
3. Tighten the holder securely.
4. The U-lock can then be easily clicked into and removed from the holder with one hand.



Figure 2: A user securing a bicycle wheel and frame with the ABUS 770A SmartX U-Lock.

4. OPERATING THE LOCK

4.1 Locking Your Bicycle

1. Position the U-lock around your bicycle frame, wheel, and a fixed object.
2. Insert the shackle ends into the lock body.
3. The lock will automatically engage and arm the alarm system. A confirmation sound or light indicator

will signal successful locking.

4. The lock is designed to close automatically when you move away with your paired smartphone.

4.2 Unlocking Your Bicycle

The ABUS 770A SmartX offers hands-free unlocking:

- Ensure your paired smartphone is within Bluetooth range of the lock.
- Approach the lock. The lock will detect your smartphone and allow the shackle to be pulled out of the lock body.
- Alternatively, you can manually unlock via the ABUS One app if hands-free unlocking is not immediately responsive or preferred.

4.3 Alarm Function

The integrated alarm system provides an additional layer of security:

- The 100 dB alarm is triggered by significant movements detected by the lock's 3D Position Detection system.
- Brief vibrations, such as those caused by a passing vehicle or a football, are typically filtered to prevent false alarms. Sustained or aggressive movement will activate the full alarm.
- The alarm will sound for a set duration and re-arm if movement continues.

4.4 Multi-User Access

The ABUS One app allows you to share access to your lock with other users. Follow the instructions within the app to grant or revoke access for family members or friends.

5. MAINTENANCE

5.1 Battery Care and Charging

- Regularly check the battery status via the ABUS One app.
- Recharge the lock using the USB-C port when the battery level is low. A full charge ensures optimal performance of both the locking mechanism and the alarm.
- Avoid completely draining the battery to prolong its lifespan.

5.2 Cleaning

Clean the lock body and shackle with a damp cloth. Avoid using harsh chemicals or abrasive materials that could damage the finish or electronic components. Ensure the USB-C port cover is properly sealed after charging to prevent moisture ingress.

5.3 Storage

When not in use for extended periods, store the lock in a dry environment at room temperature. Ensure the battery is partially charged (around 50%) before long-term storage to maintain battery health.

6. TROUBLESHOOTING

If you encounter issues with your ABUS 770A SmartX U-Lock, please refer to the following common solutions:

- **Lock Not Connecting to App:** Ensure Bluetooth is enabled on your smartphone and the lock's battery is sufficiently charged. Try restarting the app or your phone. If issues persist, attempt to re-pair the lock via the app settings.

- **Lock Not Unlocking:** Verify your smartphone is within close proximity to the lock. Check the battery level of the lock. If the lock's battery is completely depleted, it may not respond. Ensure the app is running in the background or foreground.
- **Alarm Not Functioning or False Alarms:** Check the battery level. Ensure the lock is armed correctly. If experiencing frequent false alarms, review the sensitivity settings within the ABUS One app, if available.
- **Charging Issues:** Ensure the USB-C cable is securely connected to both the lock and the power source. Try a different USB-C cable or power adapter. Check the USB-C port for any debris.
- **Environmental Factors:** Extreme temperatures or prolonged exposure to moisture can affect electronic components. While designed for outdoor use, avoid submerging the lock or exposing it to heavy, continuous rain for extended periods. Ensure the USB-C port cover is always sealed.

For further assistance, consult the ABUS One app's help section or contact ABUS customer support.

7. SPECIFICATIONS

Feature	Detail
Brand	ABUS
Model Name	SmartX 770A USKF
Lock Type	Electronic U-Lock
Material	Hardened Steel
Shackle Thickness	13 mm (parabolic square)
Item Weight	2000 Grams (approx. 4.41 pounds)
Product Dimensions (L x W x H)	4.25 x 0.67 x 9.06 inches (approx. 10.8 x 1.7 x 23 cm)
Connectivity Protocol	Bluetooth
Control Method	App (ABUS One)
Controller Type	iOS, Android
Security Level	ABUS Security Level 15 (Highest)
Alarm Volume	100 dB
Battery Type	Lithium Polymer (included)
Charging Port	USB-C
USKF Holder Compatibility	Round frame tubes 18 to 70 mm

8. WARRANTY AND SUPPORT

ABUS products are manufactured to high quality standards and undergo strict quality control. In the unlikely event of a defect, your product is covered by ABUS's standard warranty. Please refer to the warranty information provided with your purchase or visit the official ABUS website for detailed terms and conditions.

For technical support, troubleshooting assistance, or warranty claims, please contact ABUS customer

service through their official website or the contact information provided in the ABUS One app.