

# (xshielder)

## Quick Start Guide

Smartphone enclosure  
including iPhone 17

# Introduction

## Thank you for choosing Xshielder.

All you need to get started with your Xshielder iPhone 17 can be found in this quick start guide.

The product consists of an iPhone 17 enclosed in a flameproof Ex db enclosure, which enables the use of the device in ATEX & IECEx Zone 1/21 hazardous areas. The enclosure is made of anodized aluminum and chemical strengthened glass.

The product consists of two main variants:

**XS1-SP-G02-C01-S01** : ATEX-only variant. The lid of the enclosure is attached to main chassis by screws (flamepath) and can be opened with standard tools.

**XS1-SP-G02-C01-S02**: ATEX & IECEx variant. The lid of the enclosure is glued to the main chassis (cemented) and cannot be opened by the user.

Regardless of the product variant, the enclosure shall only be opened by qualified personnel certified by Xshielder. Unauthorized access may compromise the integrity and safety of the device.

The enclosure design allows for:

**Service and repair:** In case of damage, the enclosure can be opened to service the iPhone and/or replaced without having to discard the iPhone.

**End-of-life management:** When the product reaches the end of its lifecycle, the enclosure can be opened to extract the iPhone, which you can send to disposal, recycling, trade-in or sell to a third party.

## In the box

1. Xshielder iPhone 17
2. Xshielder quick start guide
3. Apple iPhone 17 quick start guide

Charging accessories are not included and must be purchased separately. The iPhone's USB-C port is not accessible when installed in the Xshielder enclosure. This product is designed for use with Apple's MagSafe (wireless) charger. Other wireless chargers may also function, but Xshielder has not tested or verified compatibility and cannot guarantee performance.

**Do not charge in hazardous areas!**

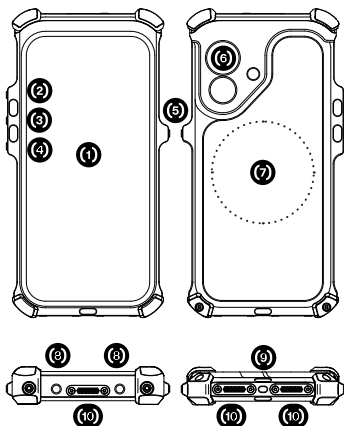
## Safety information



### Warning!

- In the case of damage to the enclosure and/or glass windows, remove the device immediately from the hazardous area and bring it to a safe area.
- Battery charging is only allowed outside hazardous areas!
- Avoid heat exposure outside the specified temperature range.
- The enclosure must never be opened in hazardous areas where explosive atmospheres may be present. Doing so could pose serious safety risks!
- Opening the enclosure without authorization can void the Ex certification and will void the manufacturer's product warranty and any applicable product liability insurance.
- Always ensure that maintenance and modifications are performed in a safe and approved environment by personnel certified by Xshielder.
- Read the specific conditions of use carefully!

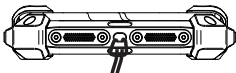
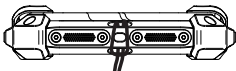
# Product overview



1. Display glass (Gorilla Glass)
2. Programmable key
3. Volume up
4. Volume down
5. Power key
6. Camera array (2x camera, flash)
7. Wireless charging area
8. 2x 1/4" thread
9. Lanyard mount
10. Speaker/Mic.

## Drop safety

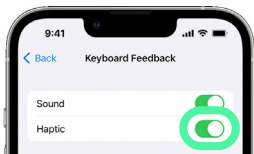
The lanyard point is tested according to NS 9611 with an approved max. drop height of 3 meters. Make sure the lanyard is attached through the two large attachment slots, and not the middle slot for it to be approved for NS 9611.



## Recommended touch settings

For optimal performance and to maintain tactile feedback while using your Xshielder iPhone, it is recommended to turn on keyboard haptics. This will provide a subtle vibration with each key press, ensuring accurate typing.

- 1) Open the Settings app.
- 2) Go to Sounds & Haptics > Keyboard Feedback.
- 3) Turn Haptic on or off.



Turning on keyboard haptics might affect the battery life of your iPhone.

If you turn on keyboard haptics but don't feel haptics when typing, make sure that Vibration is turned on in **Settings > Accessibility > Touch**.

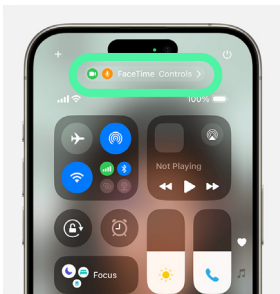
# Recommended Audio settings

Xshielder enclosures are engineered to leverage the full capability of the iPhone. However, due to the protective enclosure, speaker output and microphone performance are reduced compared to an unprotected iPhone. For best voice communication experience, especially in noisy environments or for critical communications, the use of an Ex-certified Bluetooth headset or remote speaker should be considered.

For the best call quality without accessories, we recommend enabling Voice Isolation mode during calls. This mode prioritizes your voice and reduces background noise. Follow the steps below to enable it:

**1) During a call, swipe down from the top-right corner of the screen to open Control Center.**

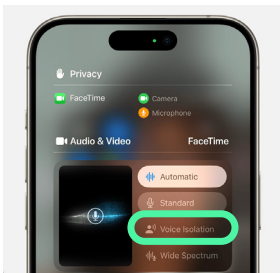
**2) Tap [App] Controls.**



## Recommended Audio settings

**3) Under Audio & Video, select a Mic Mode: Voice Isolation.**

Your selection affects only the app you're using to make the call. Mic Modes persist for that app until you choose a different Mic Mode.



# Technical data

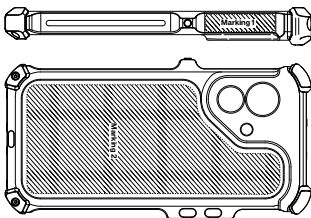
|                                                                                                                                     |                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ATEX marking:</b><br>XS1-SP-G02-C01-S01<br>(Removable lid, flamepath)<br><br>XS1-SP-G02-C01-S02<br>(Non-removable lid, cemented) |                                                                                                                                                                 |
| EX marking                                                                                                                          |  II 2G Ex db IIC T6 Gb<br>II 2D Ex tb IIIC T80°C Db<br><br>Tamb -20°C to +50°C |
| ATEX Certificate nr                                                                                                                 | FIDI 26 ATEX 0025X                                                                                                                                              |
| Standards                                                                                                                           | EN IEC 60079-0:2018<br>EN 60079-1:2014<br>EN 60079-31:2014                                                                                                      |

|                                                                              |                                                               |
|------------------------------------------------------------------------------|---------------------------------------------------------------|
| <b>IECEx marking:</b><br>XS1-SP-G02-C01-S02<br>(Non-removable lid, cemented) |                                                               |
| EX marking                                                                   | Ex db IIC T6 Gb<br>Ex tb IIIC T80°C Db<br>Tamb -20°C to +50°C |
| IECEx Certificate nr                                                         | IECEx FIDI 26.0019X                                           |
| Standards                                                                    | IEC 60079-0: 2017<br>IEC 60079-1: 2014<br>IEC 60079: 31:2013  |

|                  |                           |
|------------------|---------------------------|
| <b>Spec.</b>     |                           |
| Electrical data: | Battery supply: 3.9V Nom. |



# Device marking



Marking 1 - chassis (engraved):

Type:  
**XS1-SP-G02-C01-S01**

S/N:  
G02YYSSSSSS  
Mfr: Xshielder  
Badehusgata 37  
4014 Stavanger,  
Norway

QR/  
Datame-  
trix code

Type: XS1-SP-G02-C01-S01  
 II 2G Ex db IIC T6 Gb  
II 2D Ex tb IIIC T80°C Db  
Tamb -20°C to +50°C  
ATEX: FIDI 26 ATEX 0025X

DO NOT OPEN IN HAZARDOUS AREA

Type:  
**XS1-SP-G02-C01-S02**

S/N:  
G02YYSSSSSS  
Mfr: Xshielder  
Badehusgata 37  
4014 Stavanger,  
Norway

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Datame-  
trix code

Type: XS1-SP-G02-C01-S02  
 II 2G Ex db IIC T6 Gb  
II 2D Ex tb IIIC T80°C Db  
Tamb -20°C to +50°C  
ATEX: FIDI 26 ATEX 0025X  
IECEX: IECEX FIDI 26.0019X

Marking 2

 2460



**- WARNING -**  
Read manual before use  
Do not charge the device in hazardous location  
Do not open the device in hazardous location

# Maintenance, service & inspection

Maintenance, service and inspections need to be carried out according to IEC/ EN 60079-17 and IEC/EN 60079-19.

The enclosure can only be opened by qualified personnel certified by Xshielder.

Do not use cleaning agents to clean the enclosure. Use a damp cloth

Fasteners must only be replaced by identical type (check specific condition of use). Contact Xshielder AS for spare parts.

Repair of flameproof joints is not allowed according to IEC 60079-1 values.

## FAQ

Scan the QR code below or visit [www.xshielder.com/FAQ](http://www.xshielder.com/FAQ) to access setup guidance, troubleshooting information, and answers to frequently asked questions.



## Specific condition of use

- A repair of flameproof joints is not allowed according to EN/IEC 60079-1 values.
- Fasteners shall only be replaced with identical ones. The minimum tensile strength must be 500 MPa.
- The product is tested for low impact energy and shall not be exposed to high impact risk.
- The smartphone enclosure shall not be opened in hazardous area.
- Opening of version XS1-SP-G02-C01-S02 is not allowed by the user.
- Battery charging is only allowed outside hazardous area.

## Disclaimer

The Xshielder enclosure is designed and certified for use with the specific iPhone model listed in this guide. When installed in the Xshielder enclosure, the iPhone forms part of the complete Xshielder Ex device configuration.

The iPhone itself is supplied by an authorised Apple reseller and remains an Apple product. Apple and the Apple reseller are responsible for the iPhone hardware, operating system, and standard product warranty

Xshielder is responsible for the design, certification, and safe operation of the Xshielder enclosure and its integration with the specified iPhone model when used as described in this guide.

For issues related specifically to the iPhone hardware, software, or warranty, please contact your Apple reseller or Apple Support. Xshielder can assist in directing users to the appropriate support channel if required.

**(xshielder)**

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[www.xshielder.com](http://www.xshielder.com)

DOC-000051 -  
rev:A- 22.May.2026