



TRAX XS

PROTECTION TECHNOLOGY INSIDE

User Guide

2023/08



Available networks



XSpot Beacon



Starting with XSpot beacons

XSpot beacons are small autonomous devices with an autonomy of 5 to 10 years to be installed on site.

They are mainly used when satellite geolocation is no longer sufficient by providing XSpot PTI insoles with a position in the plane (GPS coordinates) and in space (height).

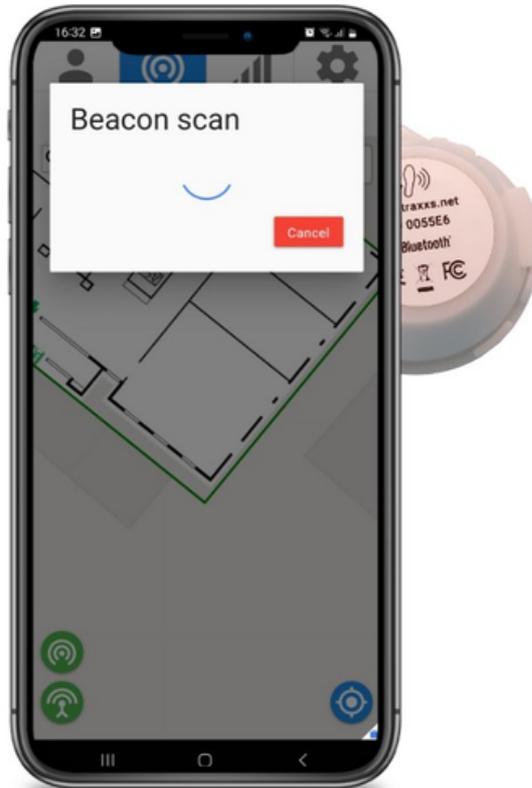
They also allow the soles to adopt a different behavior in a given place: to alert of a danger or not to emit an alert for example.

This document is a quick user guide on how to:

- use the *XScan Tools* app
- scan a beacon,
- position it on the map,
- import the plan of a building of simple architecture,
- configure a beacon to assign it a type and adjust its power.

For more information visit support.traxxs.net:

- Documentation section: technical sheet
- Step-by-step setup: advice for more complex projects.



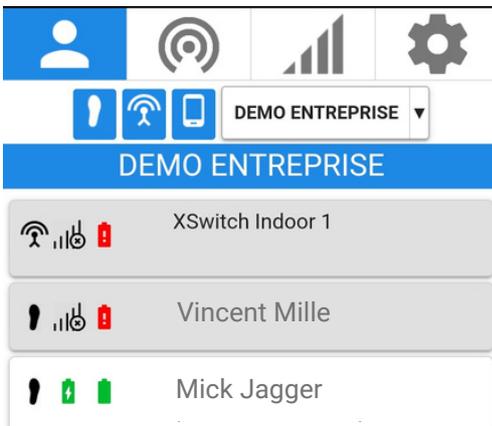


Using XScan Tools App

XScan Tools App

To interact with XSpot beacons you will need the XScan Tools application downloadable from the Google Play Store.

You can connect to it with your XS Manager account, which must have the necessary rights to manage tags.

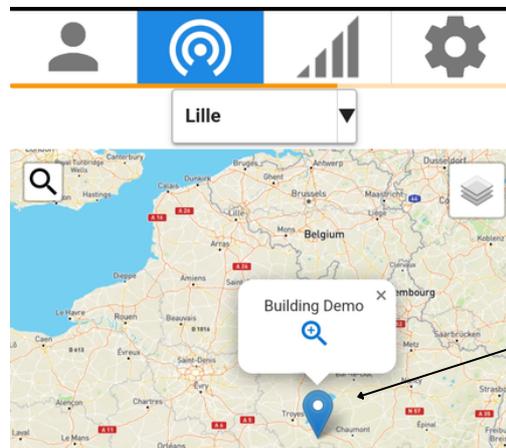


This application is dedicated to the commissioning and management of XSpot beacons, XSwitch relays as well as diagnostic operations.

Users and Device menu lists wearers, smart insoles and relays on which you can interact.

Choose the *Beacon and XSwitch* menu to position and configure the XSpot beacons.

Geographic search tool



Existing site in XS Manager

Scan XSpot beacon
or XSwitch relay



Location provided by your smartphone

Center the map on your smartphone location.



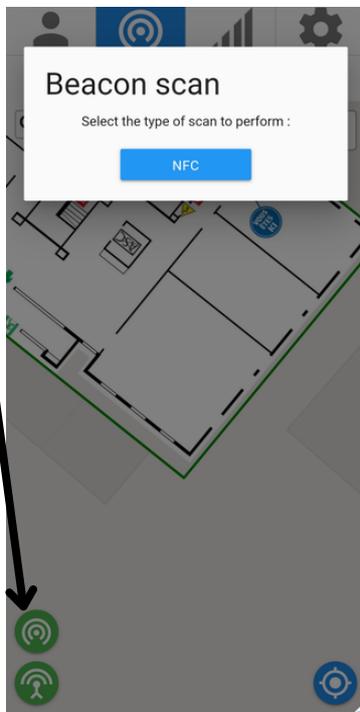
Scan XSpot beacon

XSpot beacons can be scanned in NFC with the XScan Tools application.

NFC (Near Field Contact) is the means of communication used for contactless payments. Check if your smartphone has this feature.

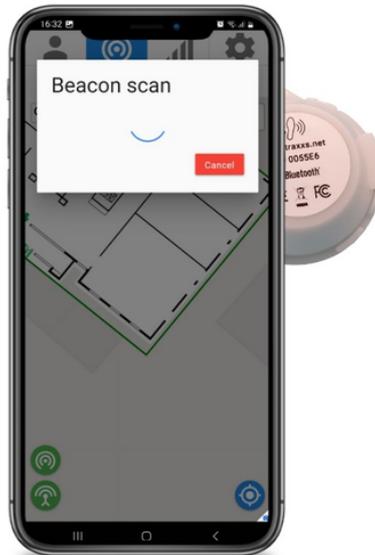


To scan a beacon, **press the beacon's icon** and validate to **scan with NFC**.



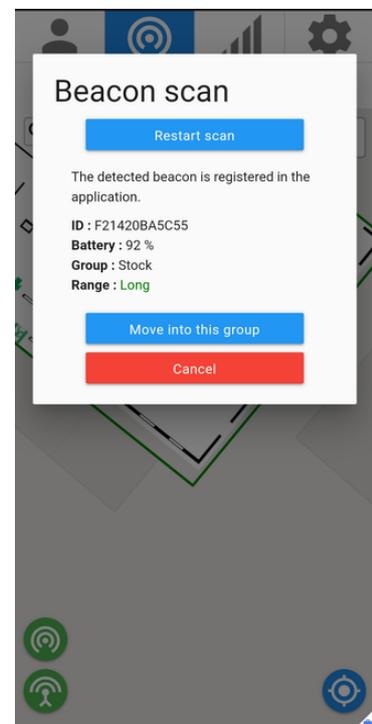
Then lay your smartphone over the beacon holding both of them aligned vertically.

The NFC sensor area should be in the upper part of your smartphone.



Wait until hearing a validation bip and the display of following screen.

Press **Move beacon in this group**.





Positioning the beacons on the map

If you haven't imported a building plan, you can position the beacon directly on the basemap.

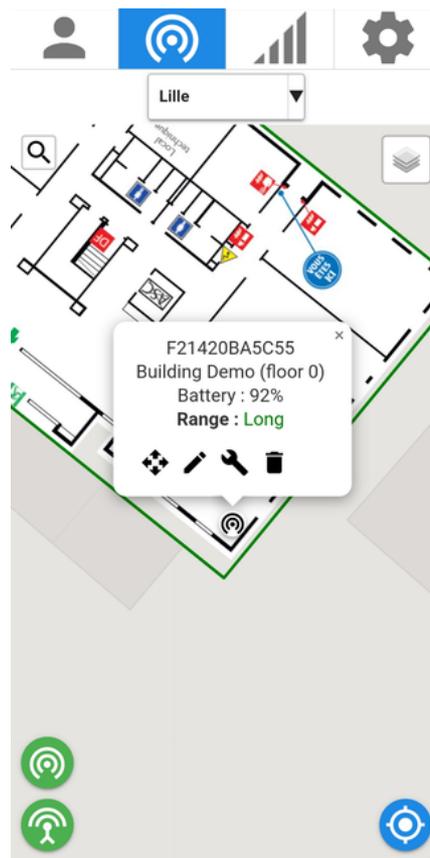
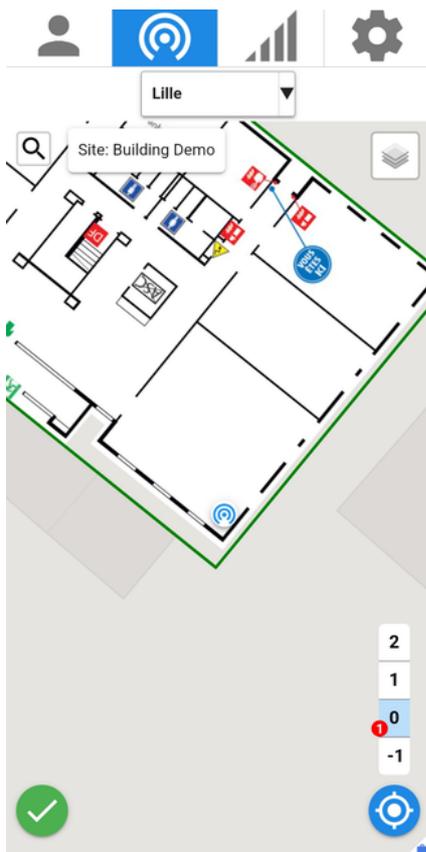
Tap on the background of the map or on the plan of a building to position the beacon.

You can change floors from the list of floors (on the right of the screen on the base map).

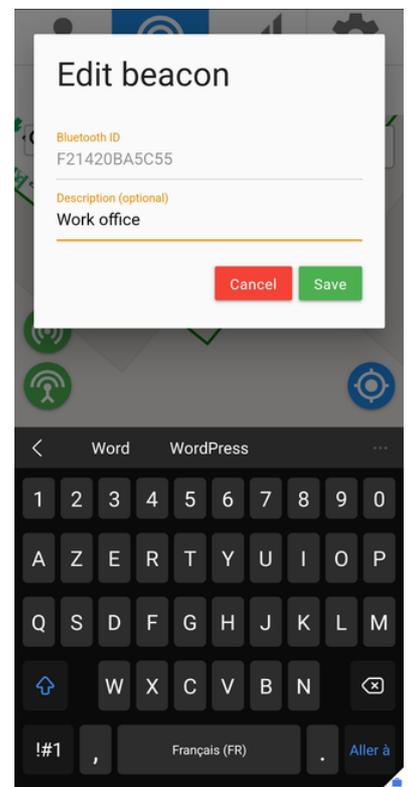
Press the validation icon when you're done.

Press the beacon's icon on the map to access editing options:

- change position / floor
- add a name
- set a feature (type and range)
- remove beacon (delete from database)



The name assigned to a beacon will be used during the alert and geolocation phases.



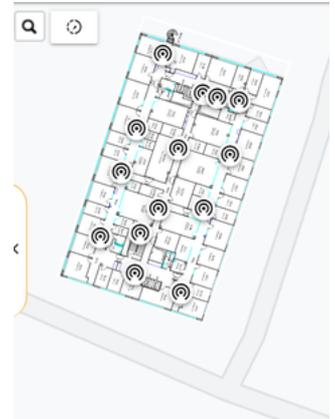


Add a site and import building plans

These operations are only possible from XS Manager web access using a computer.

From the Sites menu, it is possible to load plans of buildings with several levels, from basements to the roof (a site can include several floors).

(!) Your XS Manager account must have site management rights.



1/ Add a site

From Sites > Building mane click on *Add a new site* button.



Using the cursor (point circled in blue) determine the lowest level (the negative figures indicate the basements) and the highest level.

Assign a name to the site and click *Add* button to validate.

The new site is added to the list in left part of the XS Manager page.

2/ Import floors plans



Before importing the image of a plan, it is required to zoom in, until you can precisely see building borders.

Click on the upload icon  of one the floors and choose a map picture file.

Picture file should be in JPEG or PNG format. Transparency is used for display on the basemap.

Floors			
Name : Test Building			
Floor count : 2			
Definition of floors			
Floor	Image	Boundaries	
2	No picture	-	
1	No picture	-	
0	No picture	-	



Click on one of the red circles to adjust the size and orientation of the image then match it with those of the building present on the base map.

You can move the image by clicking and keeping pressed directly on it.

Use the different base maps available to help you integrate the plan.

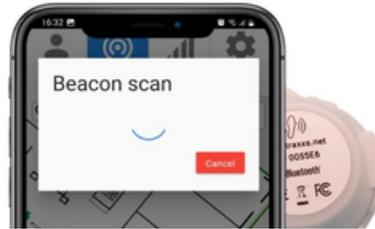
End this process by clicking the **Validate icon**



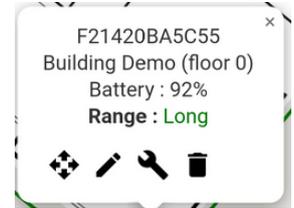


Set beacon parameters

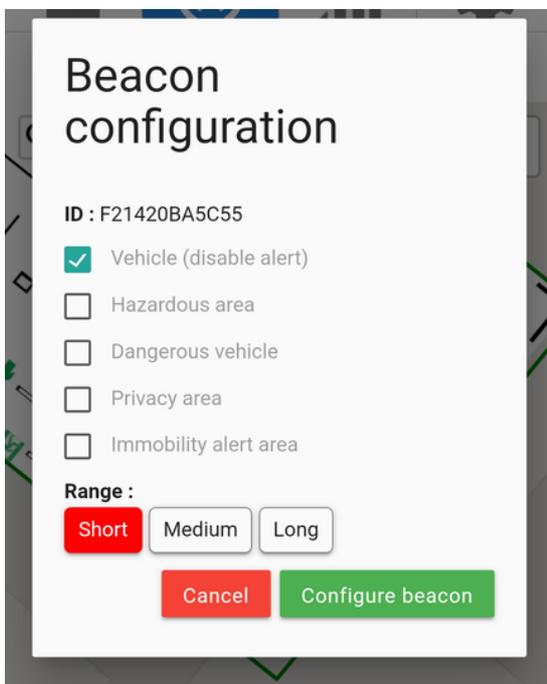
From XScan Tools, scan the beacon using your smartphone NFC sensor.



Tap on the **wrench** to set its features.



You can adjust beacon's range and assign a feature type to it :



Feature type

Vehicle: Loss of verticality alert deactivated

Hazardous zone: vibration near the beacon

Dangerous vehicle: same for a vehicle or mobile object. The soles must also be configured accordingly for optimum operation.

Privacy area: no positive security

Immobility alert area: the *Loss of verticality* feature switches to *Immobility alert* mode (40 seconds, adjustable).

Range

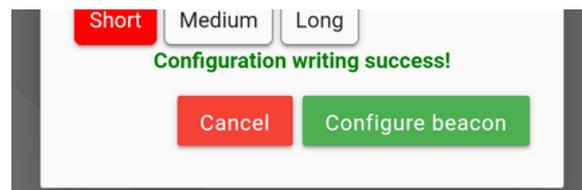
Short = 1 to 2 meters maximum

Medium = up to 8 or 12 meters maximum

Long: up to 20 or 30 meters maximum

Click **Configure beacon** button to validate *and scan the beacon using NFC* sensor to save this new configuration into it.

The beacon lights a red LED to indicate that it has taken this new configuration into account. XScan Tools also indicates whether the configuration succeeded or failed.





Insoles XSole PTI



Available networks



Gateway XSwitch



Available networks

