XIGNAL
Xignal is a brand of Dimo Systems · The Netherlands

How does it work?
Mousetrap

**Detect**
Xignal detects the status of the mouse and rat traps 24/7. Armed, closed with or without catch.

**Send**
Through LoRa technology, the sensors communicate via your private or public network. Depending upon circumstances, LoRa has a range of 150 ft² to 150,000 ft². The Xignal end-to-end solution, from sensors to online portal, is easy to use.

**Report**
By a push notification on your phone, tablet, laptop or PC you receive reports about the activities of pests. This way you can take immediate action when you have caught something. Ideal for the pest controller, the quality manager and the auditor.

Download now the Xignal app or go to my.xignal.com
Instructions

How to use the intelligent Xignal trap?

You will receive the Xignal trap in a ‘deep sleep’ mode. He ‘sleeps’. In this mode normal functions are turned off. This way the battery lasts longer.

Normal operation mode

Connectivity check

Battery saving mode

Battery saving mode check
Problems?
In case of a problem, press both buttons (1) and (2) simultaneously to reset. Press the buttons until the LED turns red. The Xignal trap will now re-run its start up procedure (see ‘To switch on’). After about 3 seconds, the LED goes out and the Xignal trap is in the normal mode. The Xignal trap has now been reset.

Maintenance
Remove contamination on the outside of the closed casing with a slightly damp cloth (possibly in combination with a mild detergent).

Xignal digital mouse and rattrap
Trapping rodents in a smart way with the most modern sensor technology by Xignal! Monitoring and recording rodent activities takes place 24/7. This creates room for intensive and efficient inspections. This saves costs. You receive real-time updates in the free app and portal. The non-toxic digital trapping fits in with integrated pest management. Xignal is the solution for now and the future: Intelligent and sustainable pest control.

Features
- LoRaWANTM Certified
- Daily trap state updates including temperature data, battery level and status
- Instant update
- Easy installation, works immediately
- Ability to detect false-positive ‘catches’ (the trap snapped, but didn’t catch anything)
- Ability to perform diagnostic ranging tests
- Reset feature
- Low power consumption
- IP67
- CE, FCC Certified

Functional specifications
- Daily trap state updates including temperature data, current battery level and trap status (opened/closed/catch)
- Instant update when trap is set or triggered
- Real-time feedback by means of the status LED: trap turn on/off, network join/accept/denied, payload sent successful/unsuccessful and device reset. Ability to detect false-positive ‘catches’ (the trap snapped, but did not catch anything)
- Ability to perform diagnostic ranging tests

AppPortal
- Unlimited Locations per account
- Multiple sub users
- Unlimited number of devices (smartphone, tablet, PC, etc.)
- Register by QR-code (App)
- Push notifications via email
- Upload floorplans (web portal)
- Unlimited history
- Data export (Excel/CSV)
- Free Xignal Portal and App

Warning
Waste of electronic equipment may not be disposed of with regular garbage. Check with your local authorities whether there is a separate collection system for these products.
# Mousetrap Product Specifications

## Technical Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Packet Data</th>
<th>Lora Frequency Band</th>
<th>Battery</th>
<th>UI</th>
<th>Label</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xignal Mousetrap V1.5</td>
<td>Uses LoRa ADR</td>
<td>US915*</td>
<td>CP502440 Li-MnO2 battery</td>
<td>RGB LED and 2 switches</td>
<td>QR code and unique serial number</td>
</tr>
</tbody>
</table>

## Physical Description

- **Product Dimensions**: L: 97.3 mm x W: 46.9 mm x H: 58 mm
- **Weight**: 77 g (2.716 oz) with PCB antenna and battery installed
- **Chassis Material**: ABS plastic

## Environmental

- **Operating Temperature**: -10°C to 55°C (14°F to 131°F)
- **Relative Humidity**: 0% to 95%
- **Ingress Protection (IP) Rating**: IP67: complete protection against contact and immersion in water, up to 1 meter (3 ft 3 in) depth

## Certifications

- **Radio Compliance**: LoRa Alliance certified by certification by similarity of the embedded RN2483A
- **RoHS Compliance**: Directive 2002/95/EC & 2011/65/EU
- **REACH Compliance**: Regulation 1907/2006 including amendments
- **WEEE Compliance**: Directive 2012/19/EU

*NA915, EU868, AU915, KR920, AS923, IN865, RU864