

FIBRA WIRED PRODUCT LINE

The wireless experience, now **fully wired**.

A complete range of Ajax wired intrusion protection devices, built on a secure two-way communication protocol between hub and devices — engineered for installers who need speed, flexibility, and zero compromise on security.

2,000 m

MAX LINE LENGTH

8

LINES PER HUB

0.15 s

ALARM DELIVERY

3 / SSF

GRADE CERTIFIED



Prepared for
Security Installers & Integrators

Technology
Ajax Fibra Wired Protocol

Distributed by
LTS Security Australia

— THE MARKET PROBLEM

Outdated wired security practices hold installers back.

Traditional wired alarm systems have barely changed in decades. Ajax built Fibra to bring the wireless-era experience — speed, flexibility, and intelligence — to wired installations.

● Lack of line flexibility

Rigid wiring topologies force installers into inefficient, one-size-fits-all layouts.

● Short line length

Legacy protocols cap cable runs, forcing extra hubs and panels on larger sites.

● Lack of control

Little to no visibility into line health, device status, or fault location.

● Time-consuming installation

Manual programming via command-line or keypad slows every job down.

● High power consumption

Older protocols draw more current, driving up battery and PSU costs.

● Hardware-only sabotage protection

Tamper protection stops at the enclosure — the line itself stays exposed.

— THE FIBRA ANSWER

Wireless experience, in a wired product line.

A wired product line of intrusion protection devices that utilizes a secure protocol, providing two-way communication between the hub and every connected device.

● Line versatility

Ring, Beam, and Tree topologies — build the layout that fits the site, not the protocol.

● 2,000 m line length

Cover large-scale facilities on a single line, without extra hardware.

● Informative notifications

Real-time, device-level status and fault reporting straight to the app.

● In-app management

Line scanning and configuration entirely from the Ajax PRO app — no command line.

● TDMA communication

Time-division access reduces power consumption across the whole line.

● Advanced anti-sabotage

Protection at both the protocol and hardware level — not just the enclosure.

— FOUNDATIONS

Four principles behind every Ajax wired product.

Every Fibra device is designed around the same four pillars — so the whole line behaves consistently, from the smallest keypad to the hub itself.



Compliance with standards

Built to meet international and local security standards, including EN 50131 Grade 2/3, PD 6662:2017, INCERT, and SSF certification requirements.



Exceptional features

Photo verification, pet immunity, DualTone glass-break verification, and SmartDetect false-alarm filtering across the range.



Effortless installation & maintenance

Automated line scanning, no EOL resistors, and full remote diagnostics — install and maintain a system without the guesswork.



Cutting-edge hardware

Purpose-built silicon, tamper-resistant enclosures, and a communication protocol engineered from the ground up for wired security.

— THE CONTROL PANEL

Hub Hybrid — the synergy of wired and wireless.

Communication through steel and concrete: Hub Hybrid runs Fibra, Jeweller, and Wings simultaneously, so any device — wired or wireless — belongs on the same system.

Fibra

Up to 2,000 m wired

Bus connection with a secure protocol providing fast, reliable two-way communication between the hub and devices.

Jeweller

Up to 2,000 m wireless

A secure radio protocol providing uninterrupted two-way communication between the hub and devices.

— INSIDE THE HUB

Cutting-edge hardware, built for scale.

Hub Hybrid packs 3 communication channels, 8 Fibra lines, and a built-in power supply — everything an installer needs to run a large hybrid system from one panel. It also runs Wings, the long-range protocol for MotionCam photo transmission.

3

COMMUNICATION
CHANNEL SLOTS
(ETHERNET, WI-FI,
DUAL-SIM)

8

FIBRA LINES — UP TO
4 RINGS IN A HYBRID
SYSTEM

1,700 m

WINGS PHOTO
TRANSMISSION
RANGE
(MOTIONCAM)

3 s

ALARM PHOTO
DELIVERY TIME

Also featured: tamper sensors for dismantling and case-opening alerts, Jeweller & Wings antennas, and dedicated space for a backup battery.

— LINE DESIGN

Topologies out of the box.

Hub Hybrid supports Ring and Beam connection topologies natively — no extra hardware required to choose the right layout for the site.

Ring

Up to 500 m

If a ring breaks, it splits into two working segments. Devices keep operating and the system notifies the monitoring company and users of the incident automatically.

Beam

Up to 2,000 m

A straight-line run for maximum distance — ideal for long corridors, perimeter runs, or large single-direction installations.

— NO COMMAND LINE, EVER

Every task, inside the app.

Forget command-line or keypad programming. The entire system — pairing, users, automation, monitoring — is managed from the Ajax PRO app, increasing installation speed and minimizing errors.



QR pairing

Pair a device with the hub via a QR code — no manual addressing.



User management

Add, remove, and manage system users and security groups remotely.



Hub settings

Change hub configuration on-site or remotely, with instant sync.



Automation scenarios

Build scenarios triggered by alarms, schedules, or user actions.



Monitoring station link

Connect to a monitoring station directly from the app — no extra config.



Advanced anti-sabotage

Tamper alerts, encryption, and frequency hopping to protect data — with alarm delivery in 0.15 seconds.

— STANDARDS

Certifications & compliance.

Fibra devices are certified to the standards that matter most to installers working on commercial and high-security sites.

PD 6662
2017

2
GRADE
EN 50131

3
GRADE
EN 50131

INCERT

SSF

— BUSINESS TOOLS

A complete set of business tools.

Beyond intrusion protection, the app gives installers smartphone-based control, instant cloud sync via the Ajax Cloud server, and automatic hub updates on OS

— THE RANGE

Fibra product groups.

Nine device categories, all engineered to run on the same Fibra line — from detectors and keypads through to power and cable-management accessories.



OPENING DETECTORS

DoorProtect Fibra / Plus / G3

Door and window protection with shock, tilt, and magnetic masking sensors.



GLASS BREAK DETECTORS

GlassProtect / CombiProtect Fibra

Acoustic glass-break detection with DualTone verification.



MOTION DETECTORS

MotionProtect / MotionCam Fibra

PIR motion sensing, with photo verification on MotionCam models.



KEYPADS

KeyPad / KeyPad TouchScreen Fibra

Touch and touchscreen keypads for convenient system control.



SIRENS

HomeSiren / StreetSiren Fibra

Indoor and outdoor sirens with LED indication and tamper alarm.



INTEGRATION MODULES

Transmitter / MultiTransmitter Fibra

Bring third-party wired devices into the Ajax ecosystem.



LINE ACCESSORIES

LineProtect / LineSplit / LineSupply

Protect, split, and power extend a Fibra line.



RELAYS

MultiRelay Fibra

Four-channel relay for remote power supply control.



CASES

Case A / B / C / D

Enclosures for clean, organized cable and module management.



CONTROL PANELS

Hub Hybrid (2G) / (4G)

The hybrid panel running Fibra, Jeweller, and Wings together.

— OPENING DETECTORS

Guardian for doors, windows, and valuables.

Banks, museums, and jewelry stores rely on precise opening detection — Fibra's three models scale from basic to fully sabotage-hardened.



DOORPROTECT FIBRA

Wired opening detector

- 2 reed switches — install the magnet on either side
- 2 magnets included for straightforward installation
- Protected against vibration and reed switch chattering
- Additional NC input for a third-party detector



DOORPROTECT PLUS FIBRA

Wired opening detector with shock and tilt sensors

- All DoorProtect Fibra features, plus:
- Angle-change sensor adjusts to installation features
- Accelerometer detects shock and tilt
- Ideal for roller shutters and safes



DOORPROTECT G3 FIBRA

Wired opening detector — shock, tilt & masking

- All DoorProtect Plus Fibra features, plus:
- Grade 3 sabotage-resistant design
- Magnetic masking protection
- Highest-tier opening protection in the range

— GLASS BREAK DETECTORS

Acoustic detection, zero false alarms.



GLASSPROTECT FIBRA

Wired glass break detector

- Detection range up to 9 m, 180° angle
- Filters false alarms caused by ambient noise
- DualTone algorithm for glass break verification
- Built-in microphone



COMBIPROTECT FIBRA

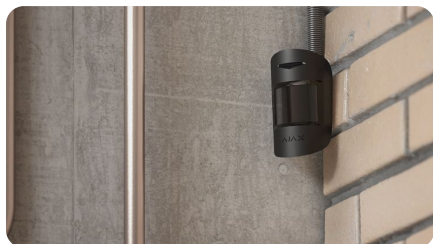
Wired combined motion & glass break detector

- Motion detection up to 12 m, glass break up to 9 m
- Pet immunity — up to 20 kg / 50 cm
- SmartDetect algorithm avoids false alarms

— MOTION DETECTORS

Wherever there is a risk of intrusion.

Warehouses, stores, and industrial facilities need motion detection that ignores pets and false triggers, and can prove what actually happened.



MOTIONPROTECT FIBRA

Wired IR motion detector

- Detection range up to 12 m, 88.5°/80° angle
- Pet immunity — up to 20 kg / 50 cm
- SmartDetect algorithm avoids false alarms
- Additional NC input for a third-party detector



MOTIONPROTECT PLUS FIBRA

Wired IR motion detector with K-band microwave sensor

- All MotionProtect Fibra features, plus:
- Dual-technology verification cuts false alarms further
- Microwave sensor adds thermal interference protection
- Suited to demanding commercial environments



MOTIONCAM FIBRA

Wired motion detector with a photo camera

- Photo verification of every alarm event
- Pet immunity — up to 20 kg / 50 cm
- SmartDetect algorithm avoids false alarms
- Pre-installed battery powers photo capture



MOTIONCAM (PHOD) FIBRA

Wired PIR motion detector with extended photo verification

- Photo-on-demand — request live confirmation photos
- Pet immunity — up to 20 kg / 50 cm
- SmartDetect algorithm avoids false alarms
- Pre-installed battery powers photo capture

— KEYPADS

Convenient Ajax system control.

100 personal codes, protection against code guessing, and authentication via smartphone, Pass card, Tag, or code.



KEYPAD FIBRA

Wired touch keypad

- 100 personal codes supported
- Duress code and panic button
- Protection against code guessing
- Easy security group management



KEYPAD TOUCHSCREEN FIBRA

Wired keypad with a touch screen

- 5" touch IPS display, adjustable brightness & volume
- Auth via smartphone, Pass, Tag, or code
- 3 panic alarm types — panic, fire, auxiliary
- 32 interface languages

— SIRENS

Loud notifications and deterrence.



HOMESIREN FIBRA

Wired siren for indoor use

- Adjustable volume: 81–105 dB
- Chimes for opening notifications
- LED indication, delay & mode-change signaling
- Tamper alarm against dismantling



STREETSIREN FIBRA

Wired siren for indoor and outdoor use

- Adjustable volume: 85–113 dB
- Adjustable alarm duration: 3 s to 3 min
- External LED connection, IP54 rated
- Pre-installed battery for alarm backup



STREETSIREN DOUBLEDECK FIBRA

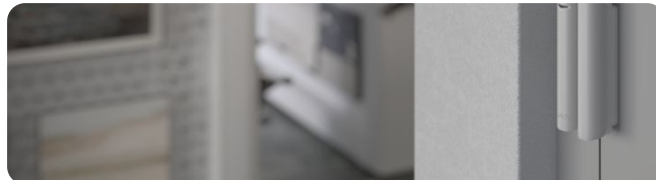
Wired siren with a clip lock for a branded faceplate

- Adjustable volume: 85–113 dB
- Tamper alarm against dismantling
- Clip-lock faceplate for company branding
- Pre-installed battery for alarm backup

— INTEGRATION MODULES

Making security smart.

Bring existing third-party wired devices — sensors, appliances, roller shutters — into a single Ajax system.



TRANSMITTER FIBRA

Module to integrate one third-party wired device

- 2 inputs (EOL, 2EOL, 3EOL, roller shutter)
- Distance to third-party device up to 30 m
- Dimensions: 15 × 40 mm
- All Fibra functionality — line scanning, power test



MULTITRANSITTER FIBRA

Module to integrate up to 18 third-party wired devices

- 18 zones (NO, NC, EOL, 2EOL, 3EOL)
- Power output: 50 mA, 12 V
- 3 independent 12 V power lines for detectors
- Space for a 4 or 7 Ah backup battery

— LINE ACCESSORIES

Using Fibra line accessories.

Renovate outdated wired systems, design flexible layouts, and protect the line from short circuits and sabotage.



LINEPROTECT FIBRA

Protects Fibra line devices from short circuit and sabotage

- Protects against short circuit & stun-gun attacks
- Boosts the signal — each output line up to 2,000 m
- Can be connected in cascade
- Tamper alarm against dismantling



LINESPLIT FIBRA

Splits a Fibra line into four lines

- 1 input line, 4 output lines
- Short-circuit detection & protection
- Each output line can run up to 2,000 m
- Tamper alarm against dismantling



LINESUPPLY (45 W) / (75 W) FIBRA

Additional power supply for line extension

- 110/230 V voltage supply to the line
- Increases the line power supply
- 45 W (1 line × 1.2 A) or 75 W (2 lines × 1.2 A)
- Tamper alarm against dismantling

— RELAYS

Remote power supply control.

Control electric locks, lighting, and access points remotely or by automation scenario.



MULTIRELAY FIBRA

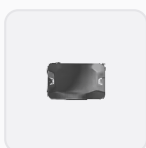
Four-channel relay to control power supply remotely

- 4 outputs, bistable or pulse operating modes
- Max current: 5 A at 30 V / 10 A at 110–230 V
- Pulse mode timing: 1 s to 2 h
- Option to save state after power loss

— CASES

Convenient cable management.

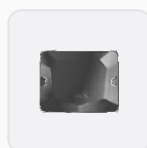
Four enclosure sizes house Fibra modules and backup batteries cleanly, for production facilities, warehouses, and educational institutions.



CASE A (106)

1 device

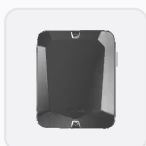
Compact casing for a single Ajax module.



CASE B (175)

Up to 2 devices

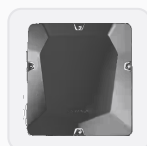
Casing for one or two Fibra modules.



CASE C (260)

1 device + battery

Casing for an Ajax module and a 7 Ah battery.



CASE D (430)

Up to 8 devices

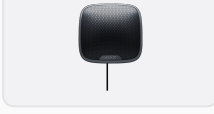
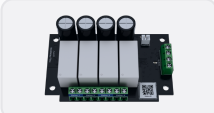
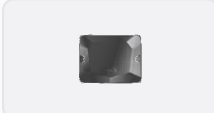
Casing for up to eight Ajax modules and two 18 Ah batteries.

Devices / Cases	Case A (106)	Case B (175)	Case C (260)	Case D (430)
LineSplit Fibra	✓	✓	—	✓
LineProtect Fibra	✓	✓	—	✓
MultiRelay Fibra	✓	✓	—	✓
LineSupply (45 W) Fibra	—	—	✓	✓
LineSupply (75 W) Fibra	—	—	—	✓
Battery (7 Ah)	—	—	1	2
Battery (18 Ah)	—	—	—	2

— QUICK REFERENCE

The complete Fibra range, at a glance.

Every device covered in this brochure — use this page as a quick pick-list when specifying a system.

				
Hub Hybrid (2G)	Hub Hybrid (4G)	DoorProtect Fibra	DoorProtect Plus Fibra	DoorProtect G3 Fibra
				
GlassProtect Fibra	CombiProtect Fibra	MotionProtect Fibra	MotionProtect Plus Fibra	MotionCam Fibra
				
MotionCam (PhOD) Fibra	KeyPad Fibra	KeyPad TouchScreen Fibra	HomeSiren Fibra	StreetSiren Fibra
				
StreetSiren DoubleDeck	StreetSiren Plus Jeweller	Transmitter Fibra	MultiTransmitter Fibra	LineProtect Fibra
				
LineSplit Fibra	LineSupply Fibra	MultiRelay Fibra	Case A (106)	Case B (175)
				
Case C (260)	Case D (430)			

— WHERE IT FITS

A solution to scale your business.

Fibra covers the most common installer scenarios — from high-compliance vaults to large-scale warehouses and everyday offices.



Warehouse & production

Warehouses, logistics hubs, steel & food plants

- Line scanning for fast installation
- Easy integration of third-party devices
- Basic line length of up to 2,000 m
- Remote or scenario-based door and appliance control



Offices

Banks, HQs, business centers, medical labs

- Flexible installation, easy ongoing management
- Beam, Ring, and Tree topologies cover any layout
- Fast remote management of employee access rights
- Seamless video surveillance integration



Retail (chain stores & restaurants)

Restaurants, pharmacies, jewelry stores, malls

- Fast remote management of employee access rights
- Advanced anti-sabotage protection
- Scheduled actions and roller shutter automation
- Group mode for separate premises access



Educational institutions

Schools, universities, colleges, campuses

- Fast installation, low ongoing maintenance
- Installation on already-routed cable
- Easy system management in the user app
- Seamless video surveillance integration



Private residence

Private houses, townhouses, residential complexes, vacant properties

- Scheduled actions and doors or roller shutter automation
- Seamless video surveillance and outdoor wireless detector integration
- Installation on the already-routed 4-core cable
- Alarm photo & video verification, with a sophisticated device design

— WHY INSTALL FIBRA

Fibra benefits for PROs.

Beyond the technology, Fibra is a business decision — it changes how fast you install, how you're seen by clients, and what you can compete for.



Be competitive. Always

Fibra devices meet international security standards and are suitable for objects of any size — from a single office to a multi-building campus.



Install and earn more

Fibra's automated line scanning and app-based setup save installation time on every job — time you can redirect to more work.



Solve problems in the blink of an eye

Informative, device-level notifications mean faster troubleshooting — for you and for the client's monitoring team.



Be a trusted partner to your client

Fibra is one of the most reliable wired technologies on the market — backing every recommendation you make.

— IN SUMMARY

Everything Fibra brings to a wired installation.

2,000 m

MAX LINE LENGTH,
RING OR BEAM
TOPOLOGY

9

DEVICE CATEGORIES
ON ONE FIBRA LINE

0.15 s

ALARM DELIVERY TIME
TO THE HUB

3 / SSF

GRADE & NATIONAL
CERTIFICATION
COVERAGE

"Fibra brings the speed and intelligence installers expect from wireless systems to a fully wired line — without asking them to compromise on range, power, or sabotage protection."

— GET STARTED

Ready to install Ajax Fibra?

LTS Security Australia is your authorised Ajax distributor — stock, technical support, and training are all local. Talk to us to spec your next Fibra installation.

Contact LTS Security Australia →

