

# Transmitter Fibra

Module for integrating one third-party wired detector into an Ajax system

<p><b>Compatibility</b></p>	<p><b>Control panels</b></p> <p>Hub Hybrid (2G) Hub Hybrid (4G)</p>
<p><b>Communication</b></p>	<p><b>Fibra communication technology</b></p> <p>Proprietary wired communication technology. Fibra combines the reliability of wires with the freedom of radio connection.</p> <p>Key features:</p> <ul style="list-style-type: none"> <li>● Two-way communication.</li> <li>● Advanced anti-sabotage.</li> <li>● Block encryption featuring a dynamic key.</li> <li>● Instant notifications.</li> <li>● Remote configuration in the Ajax apps.</li> </ul> <p><b>Line connection</b> 4-core cable</p> <p><b>Connection</b> to any point of the Fibra line Transmitter Fibra can be installed after a hub, detector, keypad, or siren.</p> <p><b>Fibra line length</b> up to 2,000 m up to 6,500 ft When using the U/UTP cat.5 twisted pair cable.</p> <p><b>Encrypted communication</b> All stored and transmitted data are protected by block encryption featuring a dynamic key.</p>

<p><b>Wired devices connection</b></p>	<p><b>Supported configurations</b></p> <ul style="list-style-type: none"> <li>● roller shutter</li> <li>● tamper</li> <li>● wired device with 9 types of events</li> </ul> <p><b>Connector pins</b></p> <ul style="list-style-type: none"> <li>● <b>12V</b> – power supply output for a wired detector</li> <li>● <b>GND</b> – ground</li> <li>● <b>Z1–Z2</b> – inputs for connecting a wired detector</li> <li>● <b>COM</b> – common input for connecting signal contacts of a wired detector</li> </ul> <p>Transmitter Fibra has 2 inputs (Z1 and Z2) to connect the wired detector using the AATT (i.e., Alarm Alarm Tamper Tamper) scheme.</p> <p><b>Type of connection</b>  NO, NC, EOL, 2EOL, 3EOL  With EOL total resistance from 1 kΩ to 40 kΩ with a 100 Ω increment.</p> <p><b>Cable length</b>  up to 3 m  When using a signal cable with a 0.22 mm<sup>2</sup> copper conductor.</p> <p><b>Operation mode</b>  pulse, bistable</p> <p><b>Event type</b>  9 types of events for each wired zone</p> <ul style="list-style-type: none"> <li>● Intrusion</li> <li>● Fire</li> <li>● Auxiliary alarm</li> <li>● Panic button</li> <li>● Gas alarm</li> <li>● Tamper alarm</li> <li>● Malfunction</li> <li>● Leakage</li> <li>● Custom</li> </ul> <p>Adjusted by a PRO or a user with admin rights in the Ajax app.</p>
<p><b>Recommendations</b></p>	<p>Transmitter Fibra should be installed inside the wired detector case. The module requires a space with the following minimum dimensions: 40 × 15 × 12.2 mm (1.57" × 0.59" × 0.48").</p>

<p><b>Sabotage protection</b></p>	<p><b>Protection against spoofing</b> device authentication</p> <p><b>Instant line damage detection</b> Valid for EOL, 2EOL, or 3EOL connections.</p> <p><b>Communication loss detection</b> after 36 s Between the hub and Transmitter Fibra. It can be changed in the hub settings.</p>
<p><b>Power supply</b></p>	<p><b>Fibra line</b> TBC The hub powers the module.</p> <p><b>Output to the connected wired device</b> 10.5–15 V<sub>DC</sub>, up to 50 mA (total maximum current consumption) One power supply line from Transmitter Fibra.</p>
<p><b>Board</b></p>	<p><b>Dimensions</b> 40 × 15 × 12.2 mm 1.57" × 0.59" × 0.48"</p> <p><b>Weight</b> 6 g 0.21 oz</p> <p><b>Operating temperature range</b> from –25 °C to +50 °C from –13 °F to +122 °F</p> <p><b>Operating humidity</b> up to 75%</p> <p><b>Electric shock protection</b> Class II</p>
<p><b>Complete set</b></p>	<p>Transmitter Fibra Accessory 5-pin cable Quick start guide</p>
<p><b>Warranty</b></p>	<p>24 months</p>