

Xtralis offers several accessories that can be used when installing any of the ADPRO PRO E series products. These accessories maximise the benefits of the ADPRO PRO E series detectors, facilitate the installation process, and ensure better control.

### Alignment Telescope

The detection range of a PIR detector is not limited but a function of size, speed and temperature contrast of a target against its background. The detector should be aligned so that a natural or artificial background at the end of the range terminates the field of view; a terminating screen can be used to avoid detection of targets beyond the designated range. Vertical alignment is optimal when the upper edge of the field of view is at 1.5 to 2.5 m above ground at the end of the required detection range provided that the field of view is properly terminated.

Rough alignment can be done visually by looking along the groove on top of the detector. Accurate fine alignment is easily achieved with the help of the Alignment Telescope, which can be mounted on top of the detector for this purpose.

- Precise adjustment over detection ranges of up to 150 m.
- Fits all detector models; recommended for precise vertical alignment.

Depending on the PIR detector, different setups are required for alignment. During alignment a target of 1.5 to 2 m height is to be considered, it is located at the end of the nominal range and in the center of the overall coverage of the respective detector. Refer to document ADPRO PRO E Series PIR Intrusion Detector Data Sheet (25927).

Ordering Codes	
Alignment Telescope for PRO E-series including adapter	CH18000101
Replacement part (Adapter for Alignment Telescope)	CH11001201

### CT PRO 2 (Wireless Walk Tester)

CT PRO 2 is a wireless walk test unit which consists of a transmitter and a battery-operated hand-held receiver specifically developed for the vertical alignment of the ADPRO PRO and PRO E series detectors in outdoor areas:

- Precise configuration of the exact detection zone (width and length) during installation or during the recommended walk test.
- Range up to 200 m (650 ft).
- Enables precise adjustments of the detector over the nominal detection range.
- Continuous output of the PIR signal level and alarm status by LED bar graph and a buzzer.
- Consists of a transmitter connected to the RS-485 test socket in the detector and a battery-operated receiver.

Technical specifications	
Range of operation	Up to 200 m (650 ft)
Power	9V/PP3 block Lithium battery
Frequency	2.4 GHz
Max radiated power	-16.5 dBm EIRP (~10mW)
Standards and directives	2014/53/EU RED Directive 2011/65/EU RoHS2 Directive EN 301 489-1 V2.2.0 EN 301 489-3 V2.1.1 EN 300 440 V2.1.1 EN 62479:2010 EN 60950-1:2006 + A11:2009 + A12:2011 + A1:2010 + A2:2013 EN 50581:2012
Ordering Codes	
Art. no.	202483



Alignment Telescope



CT PRO 2 (Wireless Walk Tester)

### iCommission (one-person commissioning)

iCommission is a tool which helps to vertically align a PRO E detector from a distance of up to 200 meters. It consists of:

- The iCommission unit, which engages with the vertical alignment screw on the detector.
- The iCommission iOS app for compatible iOS devices (Apple iPhone, iPad, iPod touch).

The battery-operated tool is independent of external power supply and operates using a WiFi connection. In combination with the CT PRO 2 walk tester iCommission allows precise vertical detector alignment by one person during a walk test.



iCommission

Technical specifications	
WiFi	2.4 GHz
Range	200 m
Power supply	Lithium polymer rechargeable battery
Nominal capacity (battery)	1500 mAh @0.2C (Typical); 1400 mAh @0.2C (Min)
Nominal voltage (battery)	3.7V
Charge current	1500 mA (1C) max.
Operating temperature	-20° - +60°C
Packing dimensions (LxWxH mm)	260 x 200 x 38
Unit dimensions	177 mm x 55 mm x 38 mm
Gross weight	0.760 kg
Net weight	0.290 kg
Housing material	Aluminium
Ordering Codes	
Art. no.	CH12003001

### ADPRO PRO E Configuration Software

The ADPRO PRO E Configuration Software connects to PRO/PRO E-detectors using RS-232/USB/IP (through bus converters or virtual COM ports) connections and is used to set up detectors during commissioning, optimize the settings and monitor detectors in use.

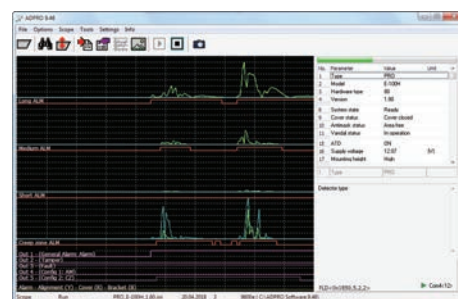
The software shows all current operation parameters and real time sensor signals of the selected detector. This is useful in various situations, such as re-alignment of the detector, adapting certain parameters or blanking out objects in the detection area causing unwanted alarms.

Used in connection with the IFM-485-ST interface module, the installation and configuration software provides the following features:

- Alarm management/ signal monitoring.
- Remote access to detectors.
- Alignment and signal check during setup and routine maintenance are supported.
- Amplitudes generated by wanted as well as unwanted targets are indicated.
- Can be used for all types of ADPRO detectors.
- The software helps setting the gain control correctly during walk tests and also shows the magnitude of disturbance signals.

Note: If Internet connection is available for PC and mobile device on site, the ADPRO PRO E-Tool can be used on a mobile device via a remote access tool (e.g. TeamViewer) for fine tuning during walk tests.

Free download on [www.xtralissecurity.com](http://www.xtralissecurity.com) (doc. no. 29650).



ADPRO PRO E Configuration Software

### IFM-485-ST Interface Module

The IFM-485-ST is an interface module (RS-485 to RS-232/USB) for bi-directional communication with ADPRO PRO E detectors. Using the IFM-485-ST up to 128 detectors can be configured and monitored from one PC; the detectors are connected via RS-485 and IFM-485-ST via USB or RS-232 to the PC.

The IFM-485-ST interface module is preconfigured and equipped with the required connectors to be operated with any detector of the PRO E Series.

The IFM-485-ST offers the following advantages:

- Remote access to detector.
- Connection of up to 128 detectors to a data bus (maximum bus length including 'stitches': 1000 m).
- Can be used with security and traffic detectors from Xtralis.
- Very useful for alignment and signal check during setting up and routine maintenance.
- Features a built-in termination resistor.

Technical specifications	
Range of operation	Up to 200 m (650 ft)
Operating Voltage (External Supply, not included)	12-30 VDC / 24 VAC, Max. 300 mA
Dimensions	104.8 x 95.3 x 25.4 mm
Shipping weight	386 g
Standards and directives	2011/65/EU RoHS2 Directive 2014/30/EU EMC Directive EN 50130-4:2011 EN 61000-6-3:2007 + A1:2011 EN 50581:2012
Ordering Codes	
IFM-485-ST interface module	CH19000301

### ADPRO Flashloader (firmware update)

To benefit from latest developments and to ensure full functionality of your detectors make sure that the latest firmware is installed on every detector. For a firmware update on a detector you need the ADPRO Flashloader software. The ADPRO Flashloader connects to a detector via the IFM-485-ST and leads through the update process.

Download the latest firmware from the Xtralis partner portal [www.xtralissecurity.com](http://www.xtralissecurity.com) (doc. no. 29461). The download file contains the actual firmware and the installation file of the ADPRO Flashloader software.



IFM-485-ST – RS-485 Interface Module

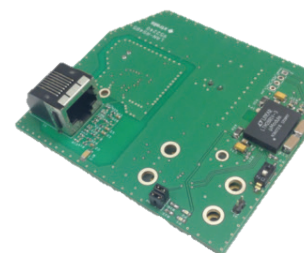
### PRO E-IPM (IP module)

Plug-in IP module for integration with the ADPRO PRO E series detectors, PoE supplied.

ADPRO PRO E detectors have RS-485 interfaces which allow for remote maintenance and full alarm management via up to 1000 m long field bus connection. The IP Module (IPM) converts this RS-485 bus to Ethernet and makes it available remotely using the IP address of the module. A virtual COM port (VCP) on a PC is used to access the detectors connected to the IPM.

Additional detectors can be connected via RS-485 to a detector equipped with a PRO E-IPM:

- Two standard detectors (one H detector max.) when PoE supplied via the module or
- Up to 128 detectors when supplied by separate voltage supply and potential equalisation is ensured.



PRO E-IPM (IP module)

Technical specifications	
Dimensions (L x W x H)	108 mm x 87 mm x 26 mm
Power consumption from Ethernet	1.92 W
Current consumption	40 mA @ 48 VDC
Weight	0.060 kg
Terminal	RJ-45
Network Interface	Ethernet 10Base-T or 100Base-TX (Auto-sensing)
Protocols	TCP/IP, UDP/IP, ARP, Telnet, ICMP, SNMP, DHCP, BOOTP, TFTP, AutoIP and HTTP
Compliance	IEEE 802.3af Standard for Power over Ethernet 10/100 BaseT
Standards and directives	2011/65/EU RoHS2 Directive 2014/30/EU EMC Directive 2001/95/EC GPS Directive EN 50581:2012 EN 50130-4:2011 EN 61000-6-3:2007 + A1:2011 EN 62368-1:2014
Ordering Codes	
Art. no.	CH12005001

### Filters

The detector's front window requires special material as glass and mirrors reflect infrared radiation. Also, this window serves as a filter to suppress unwanted radiation; to achieve this purpose, HDPE filters and silicon wafers are available.

Heavy-duty silicon wafers are suitable for extreme operating temperature (-40° to +60° C (-40° to 140°F), thus making them ideal for extreme environments (standard for H-models).

Ordering Codes	
HDPE filter, pack of 10	CH11001001
Silicon wafer filter	CH11001101



Filters

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

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