ACFA Intellect

ADPRO Integration Module Settings Guide

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Introduction into ADPRO Integration Module Settings Guide

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Purpose and Structure of the Guide

The *ADPRO* Integration Module Settings Guide is a reference manual designed for *ADPRO* Module users. This module functions as a part of perimeter intrusion detection system based on the *ACFA Intellect* software package.

This Guide presents the following materials:

1. General information about the *ADPRO* integration module;
2. A list of supported devices and licensing of the *ADPRO* integration module;
3. Configuration of the *ADPRO* integration module;
4. Working with the *ADPRO* integration module.

General information about the ADPRO integration module

The *ADPRO* integration module is a part of the perimeter intrusion detection system built on the basis of the *ACFA Intellect* Software System. It is designed to monitor devices of the *ADPRO* module. Configuring and controlling devices of the *ADPR O* module in the *ACFA Intellect* software package is impossible.

Note.
Detailed information about the *ADPRO* module is presented in the official documentation for that system (see xtralis.com).

Before you start using the *ADPRO* integration module, install the hardware on site and configure the system in the vendor's software.

Note.
It is not recommended to connect the *ADPRO* hardware to an *ACFA Intellect* Server via IP modules (with virtual COM port) on site. Connection via IP module can only be used for firmware upgrade.

Supported hardware and licensing of the ADPRO integration module

Manufacturer	**Xtralis** 175 Bodwell Street Avon, MA 02322 USA xtralis.com Phone numbers: Toll Free: 800 229 4434 Fax: (781) 740 4433
Integration type	Low level protocol
Equipment connection	RS-232

Supported equipment

Type*	Equipment	Function	Features
IR 853	PRO E-45	Passive-Infrared Detector	Curtain medium range / 50m range
IR 863	PRO E-45H	Passive-Infrared Detector	Curtain medium range / H / 60m range
IR 873	PRO E-45D	Passive-Infrared Detector	Curtain medium range directional / 50m range

IR 883	PRO E-45DH	Passive-Infrared Detector	Curtain medium range directional / H / 60m range
IR 854	PRO E-100	Passive-Infrared Detector	Curtain long range / 120m range
IR 864	PRO E-100H	Passive-Infrared Detector	Curtain long range / H / 150m range
IR 86C	PRO E-400H	Passive-Infrared Detector	Curtain long range / H / 220m range
IR 851	PRO E-30	Passive-Infrared Detector	Volumetric 50° / 30m range
IR 85B	PRO E-51	Passive-Infrared Detector	Volumetric 26° / 50m range
IR 856	PRO E-85	Passive-Infrared Detector	Volumetric 17° / 60m range
IR 857	PRO E-18W	Passive-Infrared Detector	Volumetric 90° / 21m range
IR 858	PRO E-18	Passive-Infrared Detector	Volumetric 50° / 24m range
IR 859	PRO E-40	Passive-Infrared Detector	Volumetric 15° / 40m range
IR 866	PRO E-85H	Passive-Infrared Detector	Volumetric 17° / H / 75m range
IR 867	PRO E-18WH	Passive-Infrared Detector	Volumetric 90° / H / 27m range
IR 868	PRO E-18H	Passive-Infrared Detector	Volumetric 50° / H / 30m range

*The type displayed on the object settings panel in the *ACFA-Intellect* software.

Licensing

Per 1 detector.

Configuration of the ADPRO integration module

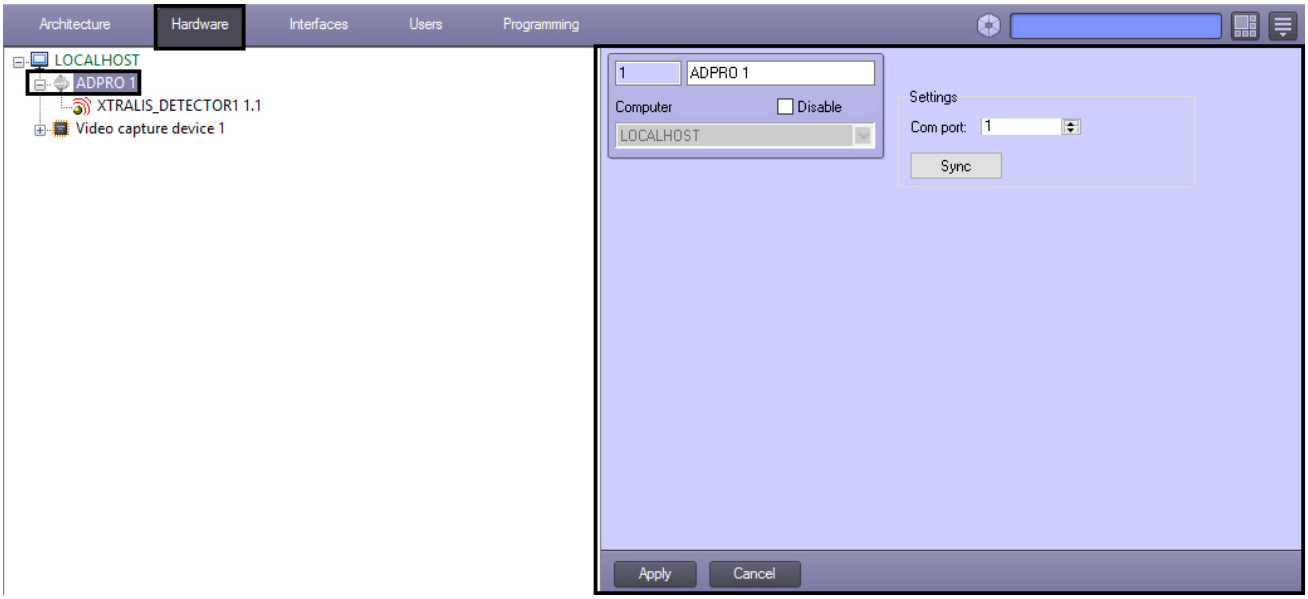
Configuration procedure for ADPRO integration module

The *ADPRO* integration module is configured according to the following procedure:

1. Set up a connection between the *ADPRO* hardware and *ACFA Intellect* software.
2. Synchronize the hardware tree of the *ADPRO* integration module.

Setting up a connection between the ADPRO hardware and ACFA Intellect software package

Connection with the *ADPRO* hardware is configured in the *ACFA Intellect* software package on the settings panel of **ADPRO** object which is created on the basis of **Computer** object in the **Hardware** tab of the **System Settings** window.



The connection is configured as follows:

1. Go to the **ADPRO** object settings panel.

2. Enter the number of COM port to which the *ADPRO* system is connected in the **Com port** field (1).
3. Click **Apply** (2).

> **Note.**
> When the **Disable** checkbox is set on the settings panel of the **ADPRO** object, the COM port is closed and the object itself as well as it's child objects go into the DISABLED state. This is displayed on the Map.
>
> When the **Disable** checkbox is unset again, the COM port is reopened, child objects are re-enabled and these objects' states on the Map are updated.

Configuration of connection with the *ADPRO* hardware in the *ACFA Intellect* software package is now completed.

Synchronization of the ADPRO integration module hardware tree

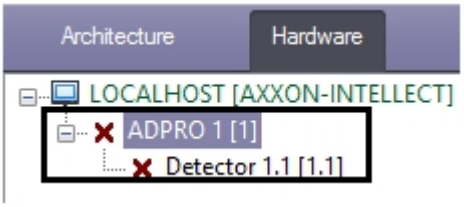
Synchronization of the *ADPRO* integration module hardware tree allows automatically creating required **Detector** objects in the *ACFA Intellect* hardware tree.

In order to synchronize the *ADPRO* integration module hardware tree proceed as follows:

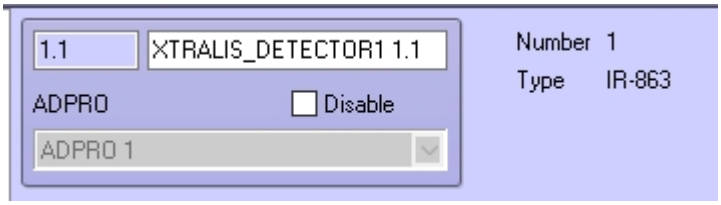
1. Go to the **ADPRO** object settings panel.

2. Click **Sync**.
3. The synchronization start is followed by the **Command start** event displayed in the **Event viewer** window. When synchronization finishes, the **Command done** event is shown. For both events the "SYNC" text is displayed in the **Add. info** column.

The objects corresponding to the connected detectors are created in the objects tree on the basis of the **ADPRO** object.



The detector type and its number on the line are displayed on the **Detector** object settings panel.



Note.
When the **Disable** checkbox is set on the settings panel of the **XTRALIS_DETECTOR** object, the detector goes into the DISABLED state and is no longer scanned.

When the **Disable** checkbox is unset again, the detector scan restarts and the object's state on the Map is updated.

There are four types of **Detector** objects as described below:

Detector type in ACFA-Intellect	**Corresponding ADPRO detectors**
ADPRO detector 1	PRO E-45 / PRO E-45H / PRO E-18 / PRO E-18H / PRO E-18W / PRO E-18WH / PRO E-30 / PRO E-40
ADPRO detector 2	PRO E-45D / PRO E-45DH
ADPRO detector 3	PRO E-100 / PRO E-100H / PRO E-400H
ADPRO detector 4	PRO E-51 / PRO E-85 / PRO E-85H

Synchronization of the *ADPRO* integration module hardware tree is now completed.

Working with the ADPRO integration module

General information about working with the ADPRO integration module

The following interface objects are used for working with *ADPRO* integration module:

1. **Map;**
2. **Events viewer.**

Information about **Map** and **Events viewer** interface objects' configuration is given in the *Intellect Software Package: Administrator's Guide*.

Information on how to work with these interface objects is given in details in *Intellect Software Package: Operator's Guide*.

The most recent versions of these documents are available in the AxxonSoft documentation repository.

Managing ADPRO detector

The *ADPRO* detectors are managed in the **Map** interactive window using the corresponding object's menu.

Description of the **Detector** object menu commands is given in the table.

Menu item	Performed function
Handle alarms	Handling alarms generated by the detector.

The **Detector** object states and their corresponded icons are listed below:

 – ALARM_INFRARED, ALARM_REJECTION, CREEP_ZONE_CH1, CREEP_ZONE_CH2, GENERAL_ALARM, SINGLE_ALARM_MASTER, SINGLE_ALARM_SLAVE1, SINGLE_ALARM_SLAVE2

 – LINK_LOST

 – LINK_SET

 – DETECTOR_STARTUP, HEATING_ERROR, MODEL_HEATING, NO_OPP45X_CON, POWER_FAILURE, WRONG_MODEL

 – ALIGNMENT, ANTI_MASKING, COVER_OPEN, EXTERN_VANDAL_IMP, PULSE_COUNT, TAMPER_BRACKET