

PANEL GUIDE

IFAM ADP-ESPA – RS232

Updated April 3, 2025

Latest information

<https://www.csl-group.com/panel-guides/ifam/ifam-adp-espa/>

Panel Connection – RS232

Manufacturer	IFAM
Model	ADP-ESPA to RS232 module
Panel Profile	IFAM-ADCESPA-RS232
Panel Connection	For the connection between the panel and the IFAM module, please contact IFAM (https://web.ifam.com/de/kontakt).
Technical Notes	For panels currently supported by the IFAM module, please contact IFAM (https://web.ifam.com/de/kontakt). The IFAM module is used to translate messages from a panel in to ESPA (V4.4.4) messages and sends them over the RS232 interface to the DualCom Pro. The DualCom Pro captures the ESPA messages and translate them to SIA Alarms and Events.

DualCom Pro to IFAM Module Wiring

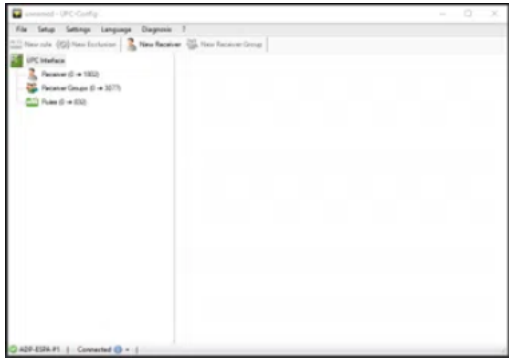
RS232-T	ESPARX
RS232-R	ESPA TX
RTN	ESPA Ground

IFAM Module Setup

The IFAM module is configured using the configuration tool supplied by IFAM (UPC-Config).

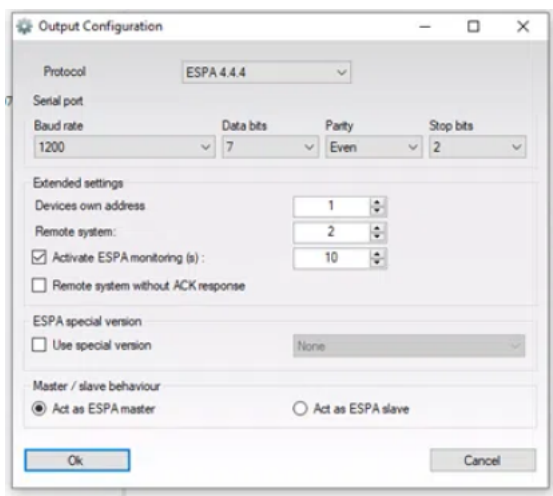
Connect a USB cable between the IFM ADC module and your computer.

Launch the UPC-Config software and it will automatically detect the IFAM ADC module.



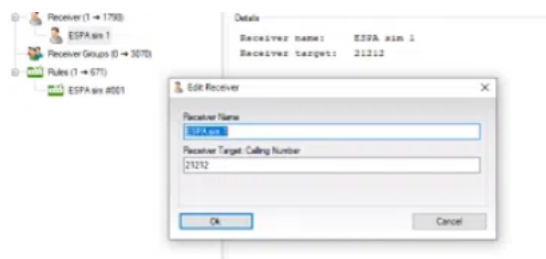
Select [Setup] -> [Output Configuration] and configure as shown below

- Protocol: ESPA 4.4.4
- Baud rate: 1200
- Data bits: 7
- Parity: Even
- Stop bits: 2
- Activate ESPA monitoring: Checked. Seconds = 10
- Remote system without Ack response: Unchecked
- ESPA special version: Unchecked
- Master / slave behaviour: "Act as ESPA master"

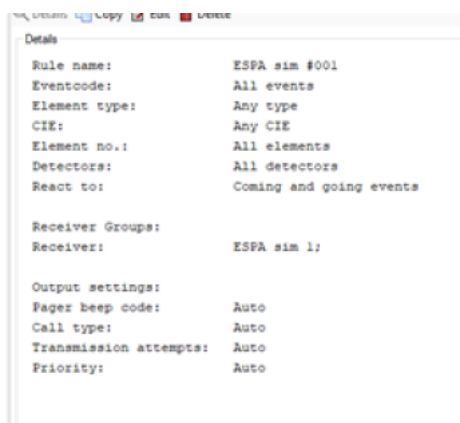


Create a new receiver and give it a name, for example "ESPA sim 1".

Set the [Receiver Target: Calling Number] to 21212



Select the rules and modify as below:



Select [File] -> [Write configuration to device]

ESPA to SIA

The recognised ESPA events can be configured via Setup -> Edit code table.

Only the below events are handled/recognised by the DualCom Pro. All other events from the module are acknowledged but not sent as events to the CSL Platform.

English	Dutch	German	Danish
Fire	Brand	Feuer	Brand
Prealarm	Vooralm	Alarm	Prealarm
Fault	Storing	Stoe	FEJL
Technical	Tech.al	Tech_al	Technical
Disablement	Uitgesch	Absch	Disablement
ZN	GR	GR	GR
DV	SET	SET	SET

Fire Mode

If the DualCom Pro is configured for EN54 fire mode, then ESPA_PANEL_USE_EN54 should also be set to TRUE.

Non Fire Mode

If EN54_FIRE_MODE is set to FALSE and ESPA_PANEL_LOSS_RELAY is set to TRUE, then the relay set by ESPA_SELECT_PANEL_LOSS_RELAY will be used to report to the panel that communications with it has been lost or recovered.

If ESPA_PANEL_LOSS_INVERT_RELAY is set to TRUE, then the selected panel loss relay reporting will be inverted.