

AJAX-KNX

KNX gateway for AJAX alarm systems

Connect your AJAX Hub and verify alarm status feedback in ETS.



01 Connect the gateway

With power off, mount on a DIN rail (2 modules). Connect KNX at the top. Connect 12-30 VDC at the bottom, respecting polarity. Connect Ethernet to the same LAN as the AJAX Hub, then power on.

02 Set a fixed gateway IP address

Open <http://192.168.1.51> from a PC on the same subnet (192.168.1.x). Set a free fixed IP on the Hub LAN. Do not use DHCP. Save the settings. Restore your PC network settings if changed, then reconnect at the new IP.

03 Send AJAX SIA events to the gateway

In the AJAX app, open Space Settings / Security Companies / Monitoring Station. Configure SIA events to the gateway IP, port 2410. Set an Object number of 3 letters and save. This replaces any existing SIA destination, so a separate SIA monitoring service cannot run alongside the gateway.

04 Enable KNX arm/disarm control (optional)

In Security Companies, invite by email: info@elausys.be. Elausys must approve the invitation before commands work. Internet access is required. On the gateway Ajax Config page, enter the 8-character Hub ID from Hub status. Match Partition Mode to AJAX Group mode and save the settings.

05 Configure and download in ETS

Add NXG-KNX Interface and assign a free physical address. Set zones and areas: 1 without AJAX groups, at least 2 with groups. Map each area. Set PG Control, PG Status and Virtual inputs to Not used. Link required group addresses, including Module status and area status. For scenes, set numbers 1-64 and link Call scene (0 disables a scene). Press P (red programming LED on), then perform a full ETS download.

06 Verify status feedback and control

Check Network and Connected LEDs are on. Arm/disarm in the AJAX app and check the linked area status in ETS Group Monitor. If step 4 is complete, send Arm ON / OFF from KNX and confirm the state in the AJAX app.

No connection or no updates?

Check supply, LAN, SIA IP/port and ETS group addresses. Zones normally report only when armed or in Night Mode. Always Active also triggers alarms while disarmed. With groups enabled, send Partial Arm OFF to exit global Night Mode.