

ekey bionyx Crestron Module

Manufacturer: ekey Biometric Systems

Developer: amavroth@hotmail.com

GENERAL INFORMATION

SIMPLWINDOWS NAME:	ekeyXEngine
CATEGORY:	Security
VERSION:	V1.0
SUMMARY:	Receive Door events from bionyx
GENERAL NOTES:	Requires licenses. Operates for 1 hour after each program loading/compilation, for development purposes.
CRESTRON HARDWARE REQUIRED:	4-Series

CONTROL:

Init	D	Module init, 1 or delayed as required
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FEEDBACK:

lic_fb	A	Number of events licensed, 99 if not licensed
door1..5_fb	D	Last door entered
door1..5_os	D	door enter one-shot

PARAMETERS:

Token	S	Token as in "Adding HTTPS Requests in the ekey Bionyx App" chapter, step 3.h
License	S	License as in "New Driver Activation Steps"

New Driver Activation Steps

1. Step One:

- a. Visit <https://www.ekeyusa.com/ShopLicense/>.
- b. Select "Purchase a New Driver's License."
- c. Enter the license owner's name and details as displayed on the screen.
- d. Select the desired number of new driver licenses.
- e. Review and click on "SUBMIT" to complete your order.

- f. The system will redirect you to the credit card payment screen. Enter credit card details and complete the purchase as instructed.
- g. Once payment is accepted, the system will email the invoice to the provided license email. Check your spam folder if the email is not received within a few minutes.

2. Step Two:

- a. Within a few minutes, the system will generate a license key and email it to the provided license email. Check your spam folder if the email is not received within a few minutes.

3. Step Three:

- a. In the ekeyXEngine module parameters, enter the received license key.
- b. The driver will automatically communicate over the internet with an external server to verify and bind the license key with the 4-series Controller.

Increasing and Adding New Licenses to an Existing Driver

1. Step One:

- a. Visit <https://www.ekeyusa.com/ShopLicense/>.
- b. Select "Purchase Additional Licenses for an Existing Driver."
- c. Enter the existing license key.
- d. Enter the license email.
- e. Select the number of additional HTTPS licenses.

Note:

The system can handle a maximum of 5 HTTPS/Events. Consider this limitation when purchasing additional licenses.

- f. Review and click on "SUBMIT" to complete your order.
- g. The system will redirect you to the credit card payment screen. Enter credit card details and complete the purchase as instructed.
- h. Once the payment is accepted, the system will email the invoice to the provided license email. Check your spam folder if the email is not received within a few minutes.

2. Steps Two, and Three:

- a. Follow Steps Two and Three of the New Driver activation steps. These steps remain the same for adding additional licenses to an existing driver.

Adding HTTPS Requests in the ekey Bionyx App

1. Access Settings:

- a. Click the top-left user icon to access "**Settings**" on the home screen.
- b. Scroll down to "**Smart Home Connections.**"

2. Adding an HTTPS Request:

- a. Click on "**HTTP(S) request**" and tap the floating action button with the "**plus**" icon.

3. Adding Request Details:

- a. **Icon:** Select an appropriate icon representing your function.
- b. **Name:** Type the function's name (e.g., Unlock Door, Switch Relay 2).
- c. **Location:** Type where the function should occur (e.g., Front Door, Back Door, Garage).
- d. **Method:** Select "POST" for the HTTPS request.
- e. **URL:** Type the URL following this format: "https://4-series_IP_Address/CWS/f[Function_Number]/"
 - i. **HTTP TLS header:** "https://"
 - ii. **4-series IP address:** "4-series_IP_Address:"
 - iii. **Function number** 1,2,3,4 or 5
- f. **Request Header:** Leave this field empty (default).
- g. **Level of Security:** Select "TlsAllowSelfSigned."
- h. **Authentication:** Choose "Access token" and input the token that will be verified by the Crestron module eg "12345."
- i. **Run With:** Check the desired control unit.

4. Saving the HTTPS Request: Press on "**Save**" to save the HTTPS request.

5. Return to the Home Page.