

Intuitech Connector 2N for FIBARO: User Manual

Version 1.0.0 · Intuitech GmbH, Menden, Germany · smartshop.intuitech.de · 29 October 2026

1. What this connector is for

The Intuitech Connector 2N links a 2N IP door intercom to a FIBARO Home Center 3, Home Center 3 Lite or Yubii Home. The door station then appears in the FIBARO app as a set of separate devices with all its important functions, and is available in scenes.

Supported ranges are 2N IP Verso, IP Force, IP Vario, IP Safety and IP Solo as well as the Access Units running 2N OS. The connector works entirely in the local network. No cloud is used, no account is created with the manufacturer and no additional hardware is required.

2. Requirements

Item	Requirement
Hub	FIBARO Home Center 3, HC3 Lite or Yubii Home, firmware 5.100 or later
Door station	2N with 2N OS, reachable in the same network as the hub
2N licence	From 2N OS 2.35 the complete HTTP API is free of charge. On older versions door opening and the camera image are free as well, the events then require the Enhanced Integration licence.
Network	a fixed address for the door station is recommended

The Gold licence of the 2N is **not** required for door opening and the camera image.

3. Installation

1. In the hub: Settings → Devices → Add device → Other device → upload Quick App from file. Select the supplied `.fqd`.
 2. Open the new device „Intuitech Connector 2N“, go to the Variables tab.
 3. Create the variable `hostIP` and set it to the address of the door station.
 4. If the door station requires authentication: create the variable `pass` of type **password** and check `user`.
 5. Enter the `licenseKey`.
 6. Restart the Quick App. The status line then shows the model and firmware of the door station.
- Recommendation: create a dedicated account in the door station for this purpose only, with rights for switches, camera and system. The admin account does not belong in an integration.

4. Variables

Variable	Meaning	Default
hostIP	address of the door station	empty, required
hostPort	HTTP port	80
user	account of the door station	admin
pass	password, type password	empty
doorCount	number of switches used, 1 or 2	1
door1Name , door2Name	names of the door devices	Haustuer, Tuer 2
door1Switch , door2Switch	matching switch number in the 2N	1, 2
pollInterval	seconds between two polls, minimum 20	60
eventStream	1 = events via the Logging API	1
videoChild	1 = create camera device	1
snapshotOnRing	1 = fetch a fresh image when the bell is pressed	1
userChildren	1 = one access device per person	1
licenseKey	licence key for this hub	empty
language	auto, de or en	auto
debugLevel	0 silent, 1 normal, 2 verbose	1

5. The devices in detail

Front door is a switch. Switching it on triggers the relay of the door station. How long the door stays open is set in the door station under Hardware → Switches, five seconds is usual. The display follows the real relay state, not the command.

Doorbell becomes true for three seconds when somebody presses the call button. This can start scenes, for example hallway lighting or an announcement over loudspeakers.

Access granted becomes true for three seconds when a valid card is presented or a valid code is entered. Who it was is additionally stored in the connector variable `LAST_ACCESS`.

Access `<name>` is created automatically per person as soon as that person is recognised for the first time. This allows scenes to be tied to individual people. It can be switched off with `userChildren`.

Access denied becomes true when an attempt was rejected, that is an unknown card, a wrong code or unauthorised opening.

Tamper door station becomes true for 30 seconds when the tamper contact is triggered.

Door contact follows the door contact input of the 2N, provided a contact is connected. If the door station reports „door open too long“, the device becomes true as well.

Door station reachable is the result of the cyclic check and is suitable for a failure notification.

Door camera shows the still image of the door camera.

6. Use in scenes

```
fibaro.call(ID, "openDoor", 1)      -- open door 1
fibaro.call(ID, "openDoor", 2)      -- open door 2
fibaro.call(ID, "testConnection")    -- check the connection
```

ID is the device number of „Intuitech Connector 2N“.

7. How the connector works

Events are not polled, they are subscribed to. The connector registers once with the Logging API of the door station and then keeps a waiting connection open. Doorbell and access therefore appear without delay, without the hub sending requests every second. If the connection breaks, it is re-established with a growing interval from 15 to 300 seconds.

Independently of that, the connector checks cyclically whether the door station is reachable and reads the relay state. If it is not reachable, this cycle is stretched to five minutes so that the network is not loaded unnecessarily.

The connector detects the authentication method by itself. The first call runs without authentication; if the door station demands one, the connector evaluates the answer and switches to Basic or Digest. It also detects when a sub API of the 2N is only available encrypted and switches to HTTPS for it.

8. Limits

Speech does not run through the hub. Unlike the old Home Center 2, the Home Center 3 has no SIP proxy. You reach the intercom function through the 2N app, or by registering the door station as a telephone on your router; your telephones then ring and the door opens with a key sequence.

The camera image is fetched by the FIBARO app directly from the door station: inside your own network without any further steps, from outside through VPN or the FIBARO remote access.

A live video stream is not integrated. The RTSP video stream of the 2N requires the Gold licence and is not part of this connector.

9. Licence

The licence key is bound to the serial number of the hub. Without a key the connector runs for 14 days with the full range of functions. After that, display and events remain, door opening is blocked. The button „Licence info“ shows the serial number and the licence state.

10. Support

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When contacting us, please state the serial number of the hub, model and firmware of the door station and the status line message.