

<b>Title:</b>	DS-PWA32 How to Configure FSK communicator to Control Panel	<b>Version:</b>	v1.0	<b>Date:</b>	11/19/2019
<b>Product:</b>	AX Series Wireless Security Control Panel			<b>Page:</b>	1 of 4

## Preparation

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1. AX Series Wireless Security Control Panel, V1.0.4. (HIA\_H10\_EN\_STD\_V1.0.4\_build191114)
2. FSK Falcon GSM communicator.
3. FSK to AxHub serial cable (Include in FSK packet).
4. FSK simulation Software: Hikvision FSK Soft base.

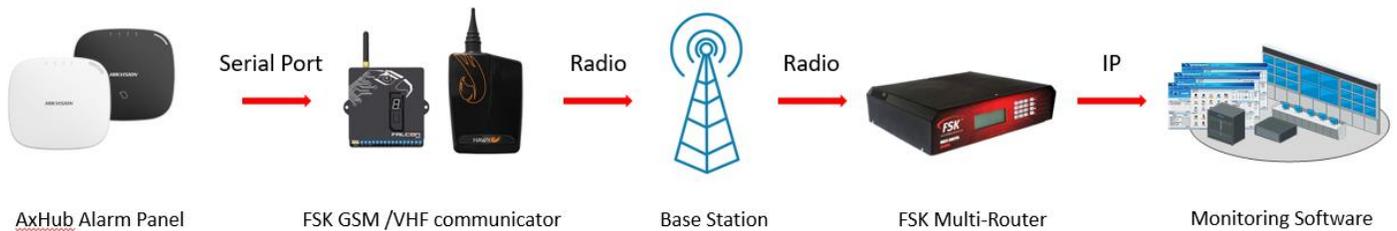
## DS-PWA32 How to Configure FSK communicator to Control Panel

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Hikvision DS-PWA32 wireless alarm panel has been successfully integrate with FSK Falcon GSM communicator which allows to transmit alarm signal over GSM network.

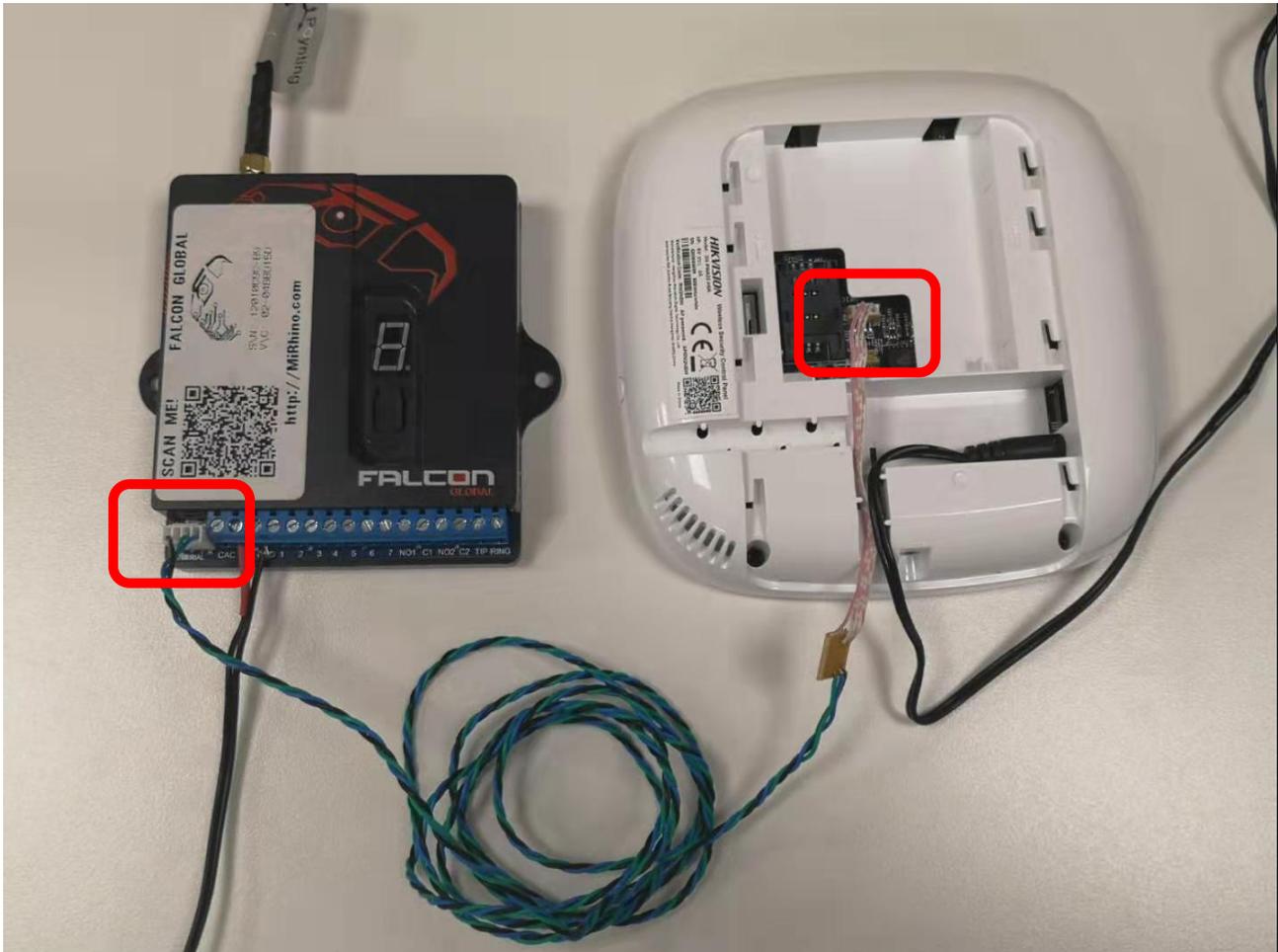
More than 50% Security Company which choose the FSK module for alarm receiving can work with AxHub easily right now.

The total system topology is shown as below.



### 1. Connect GSM communicator with AxHub via the serial cable.

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## 2. Confirm GSM communicator status.

- 1) Power on GSM module and the display will indicate the current operating status.

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## Falcon Status:

CHARACTER FLASHED	STATUS	DESCRIPTION
	i	Initialising The Falcon is starting the GSM modem
	r	Restarting The Falcon is re-starting the GSM modem
	c (lower case)	Connecting The Falcon is connecting to the GSM network
	C (upper case)	Connected The Falcon is connected to the GSM network and is ready to send alarms
	C S	Connecting to server Sending GPRS alarms
	d S	Disconnecting from server All alarms sent, disconnecting from the server

- 2) When the GSM communicator has connected to the GSM network. It will display the signal strength of the connection.

### Example:



Connected on Network with priority 1 –  
Signal Strength 6  
*The minimum signal strength required is 5.*

- 3) If an adequate signal strength is not obtained.
- Move the FSK communicator to a more suitable location.

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- Fit the GSM module with a higher gain antenna(available from FSK)

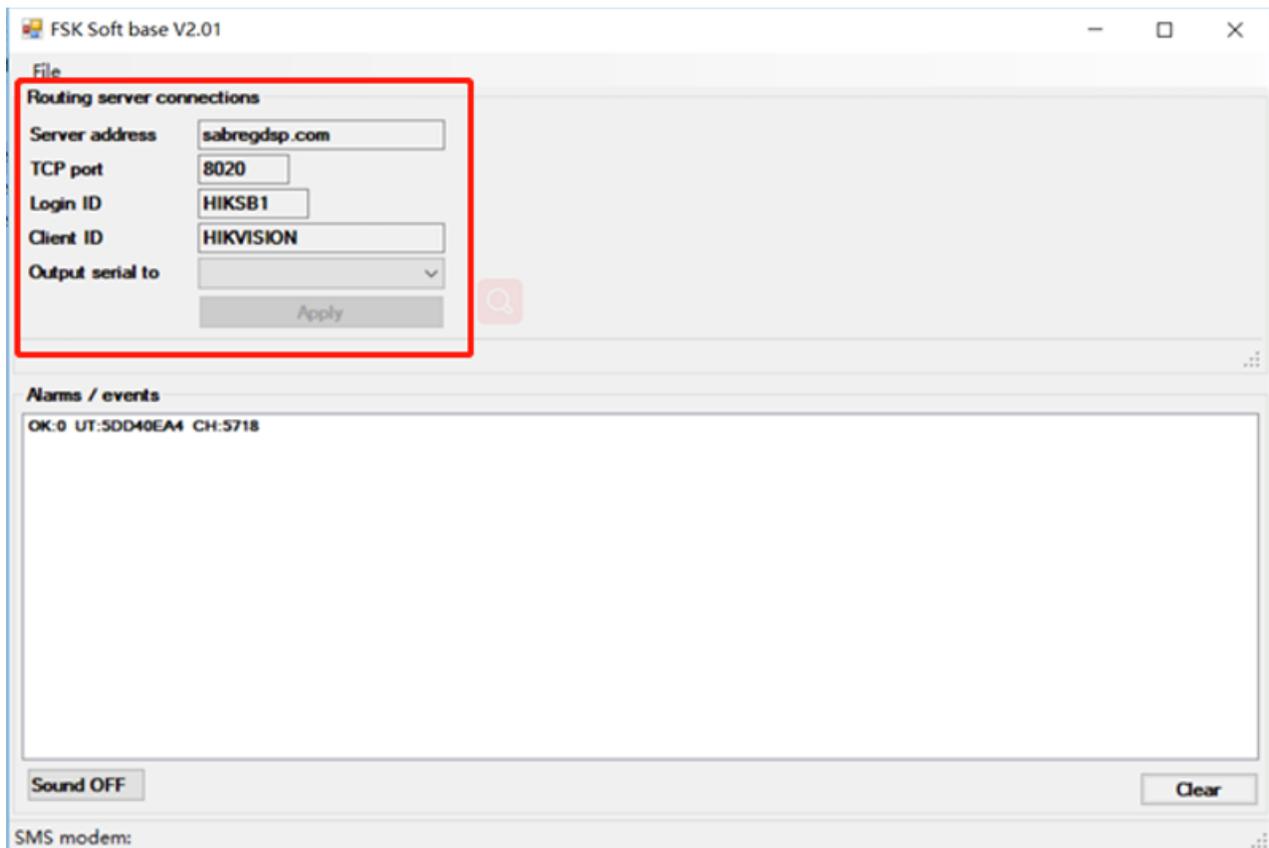
*For more FSK setup information, please refer to FSK user manual.*

### 3. Open FSK Soft base on your computer.

#### **Note**

Please turn off the firewall of the computer before start.

- 1) Software configuration. All the parameters should be provided by FSK.



- 2) Serial port can be chosen if you would like to use this software to transmit alarm events to the monitoring software.
- 3) Alarm events will be received and displayed as below if any operation is performed.

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**Alarms / events**

```
CI:1602 ZN:000 PN:00 TG:107 AC:33000 CH:C9D1
CI:1352 ZN:000 PN:00 TG:106 AC:33000 CH:58FA
OK:1 CH:0C42
CI:1352 ZN:000 PN:00 TG:105 AC:33000 CH:5CFE
CI:3352 ZN:000 PN:00 TG:104 AC:33000 CH:8702
CI:1401 ZN:201 PN:01 TG:103 AC:33000 CH:1776
CI:1352 ZN:000 PN:00 TG:102 AC:33000 CH:970B
CI:1352 ZN:000 PN:00 TG:101 AC:33000 CH:930F
CI:1311 ZN:000 PN:00 TG:100 AC:33000 CH:52B5
CI:3308 ZN:000 PN:00 TG:99 AC:33000 CH:7A18
OK:0 UT:5DD50108 CH:74AC
```

Sound OFF Clear

CI: Alarm events Contact ID code.  
ZN: Zone number/user account number  
PN: Partition number  
TG: Alarm events number  
AC: FSK communicator account  
CH: Indicate the system is online.

#### 4. User account definition

Network user: 255  
Auto operation user: 253  
Temporary user: 252  
Ehome user: 511  
Hik-connect app user: 510  
FSk user: 509  
Keypad user: 1~63, keypad 1, 2, 3... will be 1, 2, 3...  
Tag reader user: 65~68, tag reader 1, 2, 3... will be 65, 66, 67...  
Keyfob user: 201~208, keyfob 1, 2, 3... will be 201,202,203.  
Tag user: 301~332, tag 1, 2, 3...will be 301,302,303...  
SMS user: 401~408, Mobile user 1, 2, 3... will be 401,402,403...

*For more events definition, please refer to the standard Contact ID code.*

#### 5. Function has been realized with FSK.

- 1) AxHub can work with FSK Falcon GSM module and Hawk VHF module.
- 2) All events transmission as below.

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- Alarms and tampers events
- Life safety alarms
- Maintenance and faults events
- Panel management notification



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