

# FAQ - Application server connection examples PSK

## Introduction

On this page we would like to show some connection examples using Pre-shared-key (PSK) and error descriptions.

### Set-up:

- Nx70 software 2.44.0
- DECT handset R700H software release 11
- Linux Ubuntu system to send MQTT messages
- mosquitto\_sub version 1.6.9 running on libmosquitto 1.6.9.
- Application server enabled [FAQ - Application servers](#)
- Messaging and Location enabled for the handset [FAQ - Messaging and Location how to enable/disable per handset](#)

MQTT message example:

- Prio 1 message
- To handset with SIP ID 1013
- With "Fire" icon and some text
- Nx70 IP address: 192.168.178.190, Port 8884

### MQTT example

```
mosquitto_pub -u as1 --psk-identity as1 --psk 123456789012345678901234567890ab -t 'as1/msg/xxl/msgsrv/req/setMsg' -m '{"msgId": "1", "payload": {"amsgId": "23642", "sip_id": "1013", "msg": {"server_msg_status": "new", "prio": "1", "title": {"text": "Message prio 1", "color": "04"}, "status_icon": "0D", "status_text": "accept", "ttl": "600", "alert_info": "msg_melody_low", "override_silencing": "no", "vibration": "no", "ringtone_volume": "50", "deletable": "yes", "local_ignore": "yes", "presentation_time": "30", "body_starter": "Body starter", "msg_icon": {"value": "28", "body": [{"msg_icon": {"value": "4E", "color": "04"}}, {"paragraph": {"text": "Prio 1 message: some longer test to check how long the message can be", "blink": "no", "underline": "yes", "bold": "yes", "align": "left", "color": "00"}}, {"paragraph": {"text": "This text is only shown in detailed view", "blink": "no", "underline": "no", "bold": "no", "align": "left"}}, {"reply_options": [{"option_id": "1", "reply": {"text": "Msg1SK1"}}, {"option_id": "2", "reply": {"text": "Msg1SK2"}}, {"option_id": "3", "make_call": {"text": "Call", "to": "1021"}}]}]}' -p 8884 -h 192.168.178.190
```

Syslog output - No error

```
MQTT New connection from 192.168.178.61 on port 8884.
Syslog New client connected from 192.168.178.61 as mosq-PQBgyaFiibZow66I2k (c1, k60, u'as1').
...
```

### Error: Wrong port number - port 8882

```
mosquitto_pub -u as1 --psk-identity as1.... -p 8882 -h 192.168.178.190
```

Error: Connection refused

### Error: Wrong port number - using port 8885 for client certificates

```
mosquitto_pub -u as1 --psk-identity as1.... -p 8882 -h 192.168.178.190
```

Error: The connection was lost.

Syslog New connection from 192.168.178.61 on port 8885.

Syslog SSL routines:tls\_process\_client\_certificate:peer did not return a certificate

Syslog Socket error on client <unknown>, disconnecting.\n

**Connection error: Connection Refused: identifier rejected.**

```
mosquitto_pub -u as1 --psk-identity as1.... -p 8882 -h 192.168.178.190
```

Connection error: Connection Refused: identifier rejected.  
Error: The connection was refused.

Syslog New connection from 192.168.7.122 on port 8884.  
Syslog Socket error on client <unknown>, disconnecting.

Solution: add -I 'as1' (Capital i)

```
mosquitto_pub -u as1 --psk-identity as1.... -p 8882 -h 192.168.178.190 -I 'as1'
```

Usage of "-i" parameter depends on the mosquitto version on host and device.  
When version 2.0.11 (released on 26.11.2021) is on host and 1.5.4 on the device this additional parameter is needed

**Error: Handset has no License enabled**

```
mosquitto_pub -u as1 --psk-identity as1.... -p 8882 -h 192.168.178.190
```

There will be no error

Syslog AML messaging disabled for this hs: 035edb3a92\n

**Error: MQTT username or password is wrong**

```
mosquitto_pub -u as1 --psk-identity as1.... -p 8882 -h 192.168.178.190
```

Error: A TLS error occurred.