FAQ Redundancy - DECT Manager (DM)

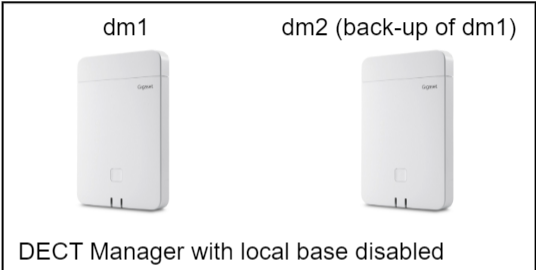| **Valid for:**	~~N610~~	~~N670~~	~~N870~~	~~N870E~~	Embedded Integrator	Virtual Integrator

Introduction

- DECT manager redundancy needs working integrator:
    - Implementing backup DM without planning redundancy for integrator has limited value.
    - For DM redundancy it is recommended to plan redundancy for VI by the machine virtualization.
- Disable the DECT Base on the Master DECT manager:
    - **The backup DM and the DM redundancy feature can only provide redundancy for the DM role, but not for the local base functions!**
    - Therefore you should not plan with the local base enabled on the DM, if you are planning for DM redundancy.
- No fallback to Master DM. Master will become back-up DM
- Back-up DM does not consume an additional DM license
- Failover when:
    - Backup DM recognizes, that significant majority of base stations are disconnected from master DM
    - Backup DM recognizes, that significant majority of base stations are connectable to backup DM

        significant >= (60% + 1 of active base stations

    - this situation continuously lasts for more than 7 minutes this way preventing failover under regular software update duration (6 minutes).

Integrator

dm1　　　　dm2 (back-up of dm1)

DECT Manager with local base disabled

DECT Base

Failover table	
Number of active base-stations	**Failover when n <u>external^{*)} active</u> bases are detected** • **as not connecting to original DM** • **as connectable to backup DM** **for more than 7 minutes.** ^{*)}**Local base stations are never detected not connected to DM.** **Local base stations are never detected as connectable to backup DM.**
1	1
2	2
3	2
4	3
5	4
6	4
7	5
8	5
9	6
10	7
11	7
12	8
13	8
14	9
15	10
...	...

Auto-provisioning

```xml
<?xml version="1.0" encoding="UTF-8"?>
<provisioning version="1.1" productID="e2">
   <nvm>

   <oper name="add_backup_dm">
      <param name="DMPpasswd" value="Gigaset123+"/>
      <param name="DMDisplayName" value="dm2"/>
      <param name="DmBackupFor" value="dm1"/>
   </oper>

   </nvm>
</provisioning>
```

- In the web-interface go to: **SETTINGS - DECT Manager - Administrator**
- Click on the DECT manager where you want to configure the back-up DECT manager, the key **Add backup DM** will become functional

Gigaset   Gigaset N870 IP PRO

⚙ SETTINGS   ℹ STATUS   🌐 Language ▾   ? Help   ⮐ Logout

✎	☐	dm1	Munchen	0	192.168.178.193 ↗ Connected	Small	1	0	10	50
✎	☑	dm2	Bocholt	1	192.168.178.194 ↗ Connected	Medium	2	0	60	250

DECT Managers

Search · 🔍 Search in ▾ · ☐ Match whole word · 👁 View ▾

DM Id · DM Name · RPN Group · IP address · Connection status · Capacity · Bases · Handsets · Bases limit · Handsets

10 entries ▾

➕ Add   🗑 Delete   ➕ Add backup DM

- Click on the key **Add backup DM**

Gigaset   Gigaset N870 IP PRO

⚙ SETTINGS   ℹ STATUS   🌐 Language ▾   ? Help   ⮐ Logout

DECT Manager

DM Name ⓘ   [   ] ◀ Entry is required
Password ⓘ   [   ] ◀ Entry is required
Backup for   Bocholt

And enter your settings
- Then configure the Back-up DECT manager with the Integrator settings

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⚙ SETTINGS   ℹ STATUS   🌐 Language ▾   ? Help   ⮐ Logout

Integrator Config

Integrator IP Address ⓘ   [192.168.178.192]
DM Id ⓘ   [dm3]
Connection password ⓘ   [•••••••••••]
Connection status ⓘ   Not connected

- The back-up manager is configured

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DECT Managers

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		DM Id	DM Name	Backup for	RPN Group	IP address	Connection status	Capacity	Bases	Handsets	Bases limit
✎	☐	dm1	Munchen		0	192.168.178.193 ↗ Connected	Small	1	0	10
✎	☐	dm2	Bocholt		1	192.168.178.194 ↗ Connected	Medium	2	0	60
✎	☐	dm3	dm3	Bocholt	0	192.168.178.191 ↗ Connected	Small	0	1	60