

FAQ Redundancy - DECT Manager (DM)

Valid for:	N640	N670	N870	N870E	Embedded Integrator	Virtual Integrator
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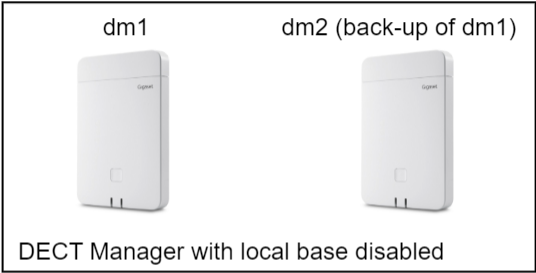
Introduction

- 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 $\geq (60\% + 1 \text{ of active base stations})$

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

Integrator



Failover table

Number of active base-stations	Failover when n <u>external</u> ^{*)} active bases are detected
	<ul style="list-style-type: none">▪ as not connecting to original DM▪ as connectable to backup DM <p>for more than 7 minutes.</p> <p>^{*)}Local base stations are never detected not connected to DM. Local base stations are never detected as connectable to backup DM.</p>
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 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>
```

Web-interface

- 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

The screenshot shows the Gigaset N870 IP PRO web interface. The left sidebar has a menu with 'DECT Manager' selected. The main area is titled 'DECT Managers' and contains a table with the following columns: DM Id, DM Name, RPN Group, IP address, Connection status, Capacity, Bases, Handsets, Bases limit, and Handsets. There are two entries in the table: dm1 (Munchen, RPN Group 0, IP 192.168.178.193, Connected, Small capacity, 1 base, 0 handsets, 10 bases limit, 50 handsets) and dm2 (Bocholt, RPN Group 1, IP 192.168.178.194, Connected, Medium capacity, 2 bases, 0 handsets, 60 bases limit, 250 handsets). At the bottom of the table, there are buttons for '+ Add', 'Delete', and '+ Add backup DM'.

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

The screenshot shows the Gigaset N870 IP PRO web interface with the 'DECT Manager' configuration form. The form has fields for 'DM Name', 'Password', and 'Backup for'. The 'DM Name' field is empty and has a red error message 'Entry is required'. The 'Password' field is empty and has a red error message 'Entry is required'. The 'Backup for' field is set to 'Bocholt'.

And enter your settings

- Then configure the Back-up DECT manager with the Integrator settings

The screenshot shows the Gigaset N870 IP PRO web interface with the 'Integrator Config' form. The form has fields for 'Integrator IP Address', 'DM Id', 'Connection password', and 'Connection status'. The 'Integrator IP Address' field is set to '192.168.178.192'. The 'DM Id' field is set to 'dm3'. The 'Connection password' field is empty. The 'Connection status' field is set to 'Not connected'.

- The back-up manager is configured

The screenshot shows the Gigaset N870 IP PRO web interface with the 'DECT Managers' list. The table now has three entries: dm1 (Munchen, RPN Group 0, IP 192.168.178.193, Connected, Small capacity, 1 base, 0 handsets, 10 bases limit, 50 handsets), dm2 (Bocholt, RPN Group 1, IP 192.168.178.194, Connected, Medium capacity, 2 bases, 0 handsets, 60 bases limit, 250 handsets), and dm3 (Bocholt, RPN Group 0, IP 192.168.178.191, Connected, Small capacity, 0 bases, 1 handset, 60 bases limit, 60 handsets). The 'Add backup DM' button is now functional.