

**Yealink**

# Yealink Multi-Cell System



# How to configure auto sync tree

1. Enable Auto Sync Tree for DM

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## Prereq: Enable Auto Sync Tree for DM

1 Access the web user interface of the VIM, and go to **DECT Manager > DECT Manager Registration**.

2

#	DM Id	DM Name	RPN Group	IP Address	MAC	Status	Bases	Handsets	Operation
1	DM1	DM1	0	10.81.6.44	80:5E:C0:D9:C4:1F	Connected	3	0	  

Global Settings

Master DECT Manager: DM1

Click  to edit the DM information.

3

Sync To VIM  OFF

Auto Sync Tree  ON

Enable **Auto Sync Tree**.

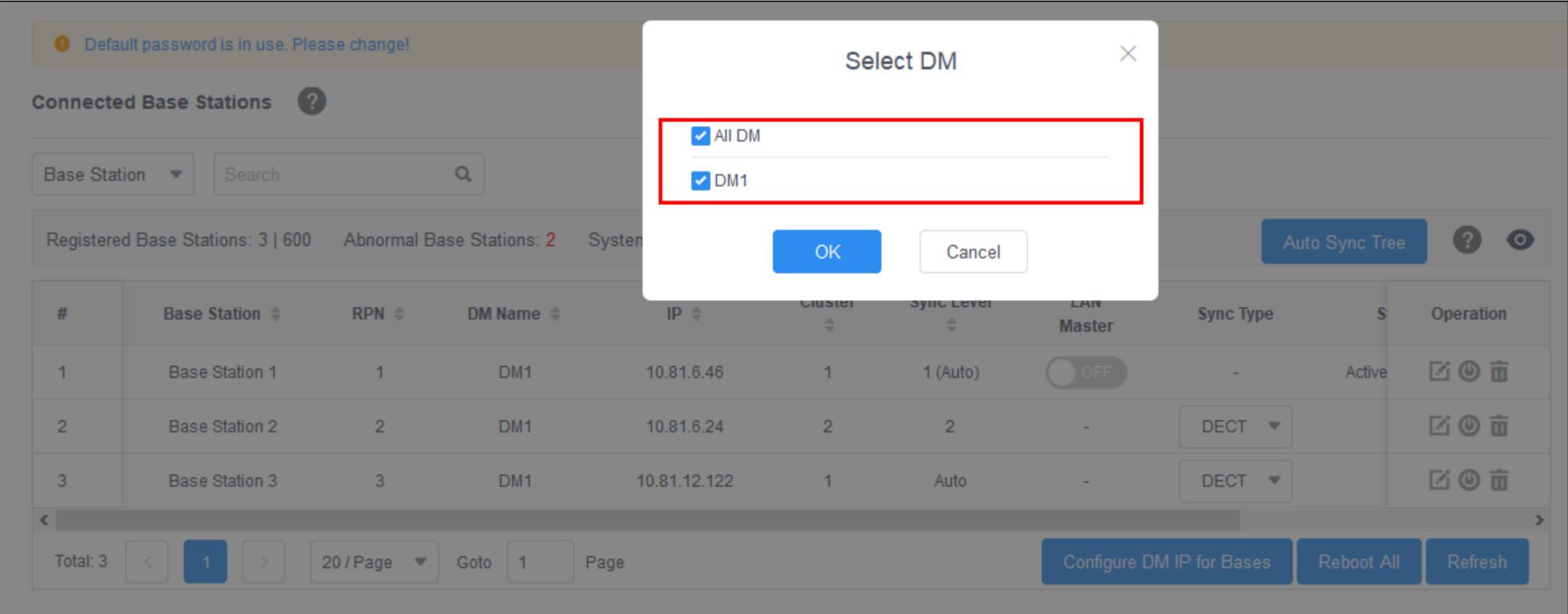
### Note:

When you switch to the auto mode, the bases in the system can synchronize each other. You don't need to pre-configure the sync level before measurement deployment and measure according to the sync level.

## Scene 1: Generate Auto Sync Tree for the System

- 1 Access the web user interface of the VIM, and go to **Base Station > Base Station Registration**.
- 2 Manually register base stations in the Base Station Standby list to the DM.

3



The screenshot displays the VIM web interface. A modal dialog box titled "Select DM" is open, showing two checked options: "All DM" and "DM1". The background interface shows a table of registered base stations. The table has the following columns: #, Base Station, RPN, DM Name, IP, Cluster, Sync Level, LAN Master, Sync Type, and Operation. The table contains three rows of data:

#	Base Station	RPN	DM Name	IP	Cluster	Sync Level	LAN Master	Sync Type	Operation
1	Base Station 1	1	DM1	10.81.6.46	1	1 (Auto)	OFF	-	Active
2	Base Station 2	2	DM1	10.81.6.24	2	2	-	DECT	
3	Base Station 3	3	DM1	10.81.12.122	1	Auto	-	DECT	

At the bottom of the interface, there are buttons for "Auto Sync Tree", "Configure DM IP for Bases", "Reboot All", and "Refresh".

Click **Auto Sync Tree** and select the desired DM to generate auto sync tree.

It takes 5 to 10 minutes to finish the automatic synchronization. After that, the system is available.

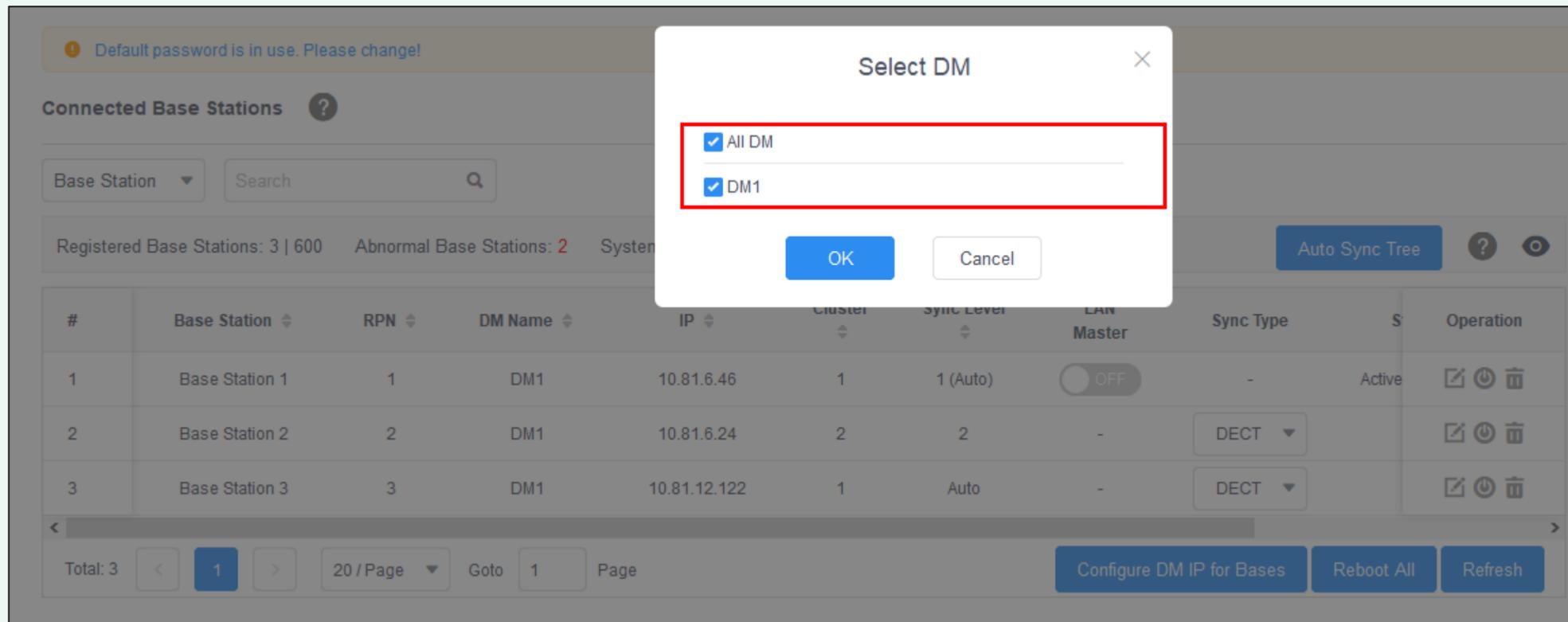
Scene description:

Some base stations are registered to the DM, but they have no sync level at this time and will not synchronize.

For more information on how to register base stations, refer to the guide *How to register a base to DECT manager (DM)*.

## Scene 2: Add a New Base to the System

- 1 Access the web user interface of the VIM, and go to **Base Station > Base Station Registration**.
- 2 In the **Base Station Standby** list, click  next to the base station to register.
- 2 Make sure the Auto Sync Tree feature is enabled on the DM the base station belongs to.
- 3 Go to **Base Station Settings**, click **Auto Sync Tree** and select the desired DM to generate auto sync tree.



It takes 5 to 10 minutes to finish the automatic synchronization.  
The system is available after the base completes synchronization according to their sync level.

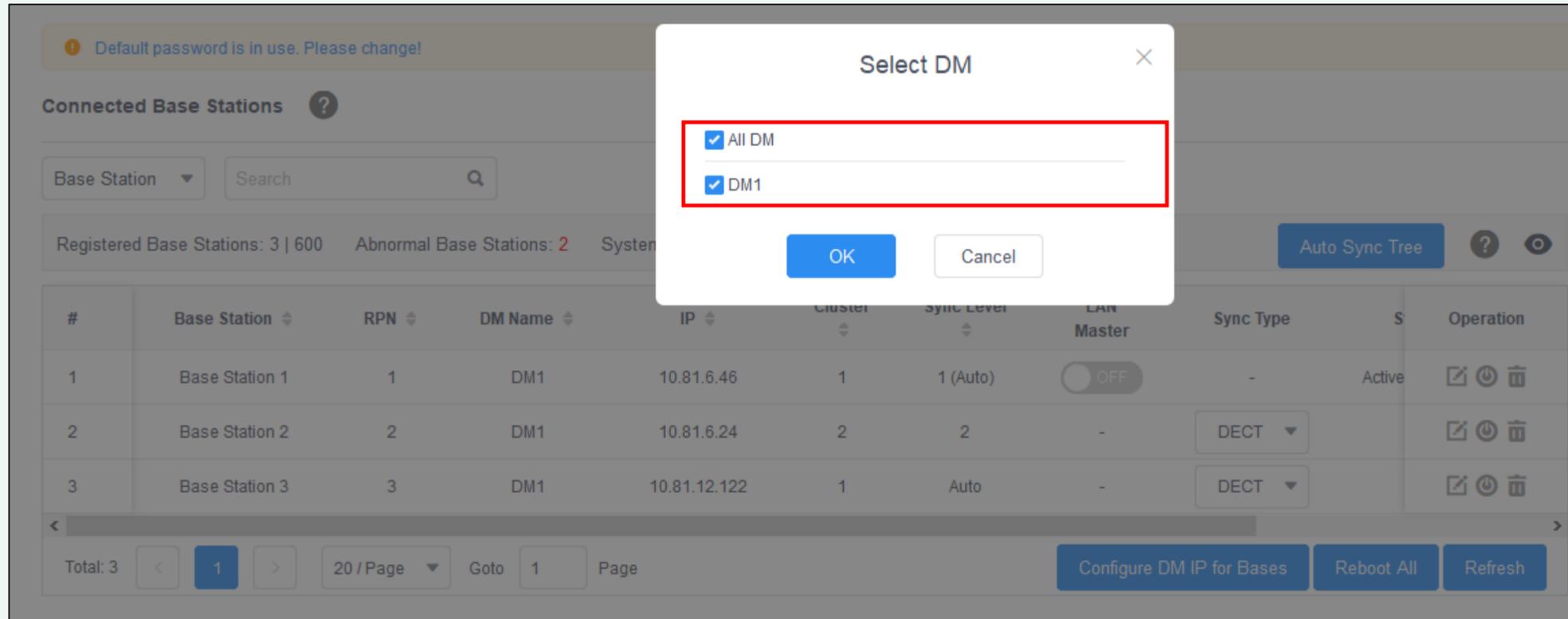
Scene description:

The automatic synchronization has finished. At this time, you need to add an additional base to the system.

## Scene 3: A base goes offline

1 Access the web user interface of the VIM, and go to **Base Station > Base Station Settings**.

2 Click **Auto Sync Tree** and select the desired DM to generate auto sync tree.



The system starts to receive and collect RSSI data automatically. It takes 5 to 10 minutes to finish the automatic synchronization. During this period, the system is unavailable. After the automatic synchronization, each base has been automatically assigned a sync level and the system is available.

Scene description:

The automatic synchronization has finished. At this time, a base in the system is powered off (the status is offline).

**Note:**

The base whose status is offline will keep its original status and will not involve the deployment.

## Related Parameters

dm.X.features.sync.tree.mode

dm.X.phone\_setting.auto\_sync.action

station.X.name

station.X.sync.cluster

station.X.sync.level

station.X.active

station.X.lan\_master.enable

station.X.ext\_ptp.enable

station.X.sync.type

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