

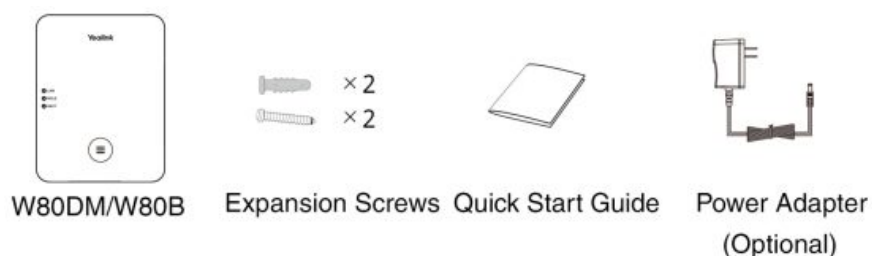


W80B & W80DM Quick Start

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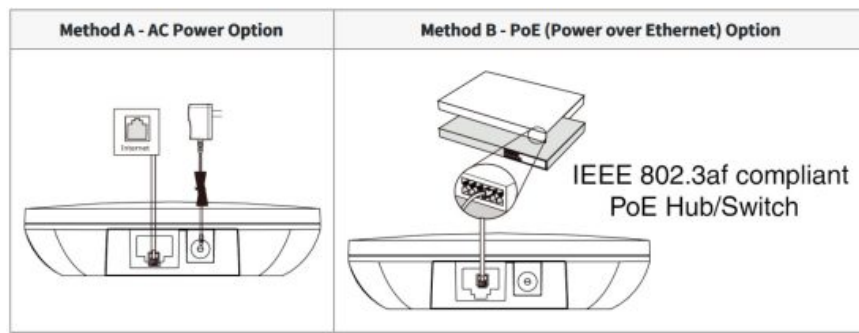
Package Contents



Assemble W80B/W80DM

Procedure

1. Connect the base station power and the network using method A or method **B**.

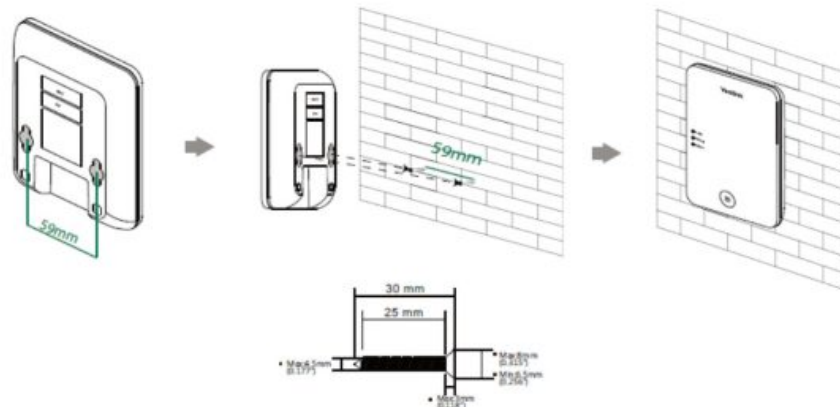


TIP

If you choose method a, use Yealink supplied power adapter (5 V/1.2 A). A third-party power adapter may damage the device.

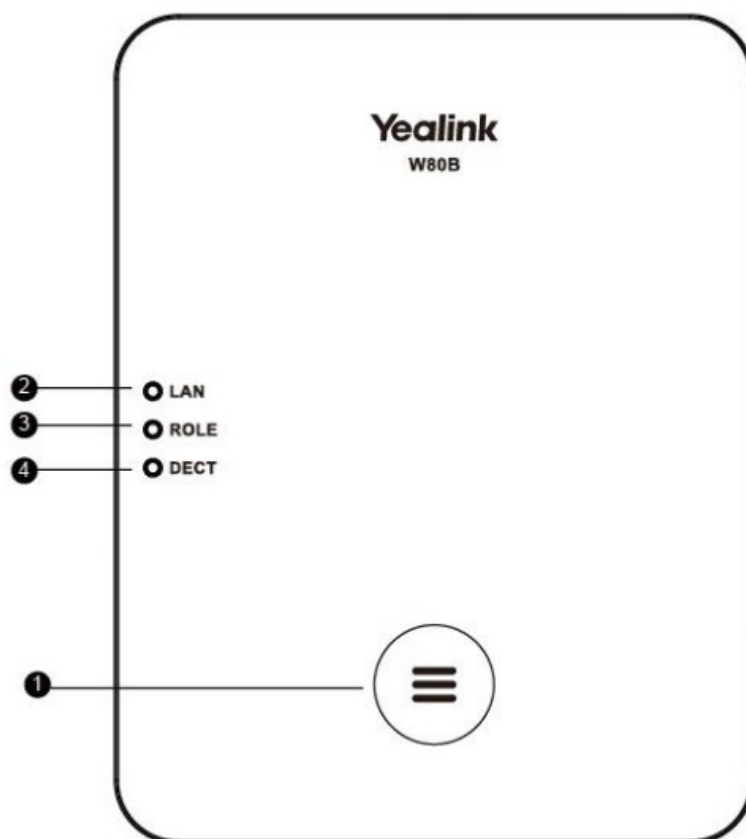
If you choose method b, you do not need to connect the power adapter. Make sure the hub/switch is PoE-compliant.

2. Mount W80DM/W80B on the wall.



Hardware & LED Introduction

After the base station starts up successfully and the handset is registered to the base station, all LEDs on the base station glow green.



No.	Item	Description
1	Device Key	Long press for 20 seconds to reset the device to factory configurations.
2	LAN LED	Indicate the power status. Indicate the LAN connection status.
3	ROLE LED	Indicate the device role.
4	DECT LED	Indicate the connection status between the DECT manager (DM) and the base.

Define the Device Role via LED Indicators

The W80DM is shipped as a DECT Manager (DM), and the W80B is shipped as a base station. The following shows the LED status after the W80DM/W80B connects to the power and network:

Base Mode Option	Role	LAN LED	ROLE LED	DECT LED
1	Base	Green	Green	Off
2	DM	Green	Orange	Off

Obtain the IP address of W80B/W80DM

When the base station is started, the DHCP server usually assigns it an IP address. To get the IP address of W80B/W80DM, you can choose one of the following methods.

Method 1 – via the DHCP server

If the IP address is assigned dynamically via your local network's DHCP server, you can find the current IP address on the DHCP server in the list of registered DHCP clients.

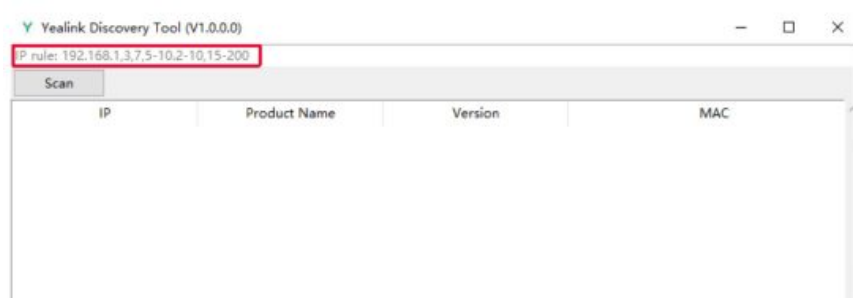
Depending on the DHCP server settings, your device's IP address may change occasionally.

Method 2 – via the Yealink Discovery Tool

You can find the IP address of all Yealink DECT devices in the LAN through a PC scanning tool – Yealink Discovery Tool.

Procedure

1. Run Yealink Discovery Tool
2. Confirm the network segment of your working environment with your network administrator.
3. Enter the IP search rules.



Follow the following rules:

The first two digits: match the first two digits of your IP network segment.

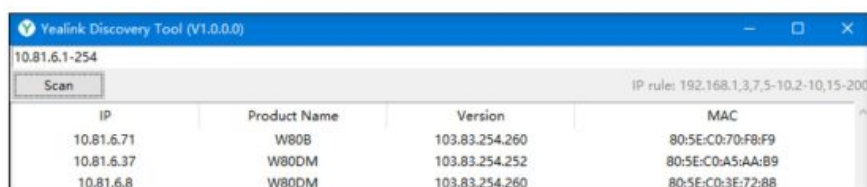
The last two digits: indicate the search rule for the last two digits of the IP network segment. The dash “-” can be used to match a range of digits. The comma “,” can be used as a separator.

Example:

Enter 10.81.6.1-254 to search all network segments with 10.81.6.xx;

Enter 10.81.1,6.1-254 to search all network segments with 10.81.1.xx and 10.81.6.xx.

4. Click Scan.



IP	Product Name	Version	MAC
10.81.6.71	W80B	103.83.254.260	80:5E:C0:70:F8:F9
10.81.6.37	W80DM	103.83.254.252	80:5E:C0:A5:AA:B9
10.81.6.8	W80DM	103.83.254.260	80:5E:C0:3E:72:88

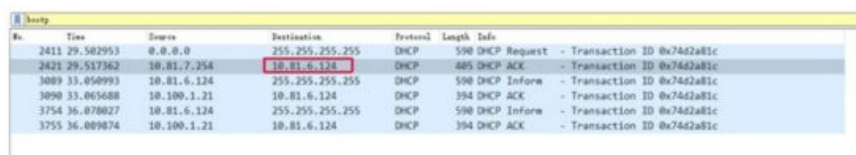
Method 3 – via the Ethernet Software (For Example Wireshark)

After every boot, the device will send a SIP multicast which can be seen in Wireshark if you connect the Internet port of the device and the PC to the same hub.

Procedure

1. Run Wireshark.
2. Filter bootp.
3. Connect the Internet port of the base and the PC to the same hub.

The following picture shows that the network gateway assigns the IP address to the base.



No.	Time	Source	Destination	Protocol	Length	Info
2411	29.582953	0.0.0.0	255.255.255.255	DHCP	590	DHCP Request - Transaction ID 0x7462a81c
2421	29.517362	10.81.7.254	10.81.6.124	DHCP	485	DHCP ACK - Transaction ID 0x7462a81c
3089	33.450993	10.81.6.124	255.255.255.255	DHCP	590	DHCP Inform - Transaction ID 0x7462a81c
3090	33.465688	10.100.1.21	10.81.6.124	DHCP	394	DHCP ACK - Transaction ID 0x7462a81c
3754	36.478027	10.81.6.124	255.255.255.255	DHCP	590	DHCP Inform - Transaction ID 0x7462a81c
3755	36.489874	10.100.1.21	10.81.6.124	DHCP	394	DHCP ACK - Transaction ID 0x7462a81c

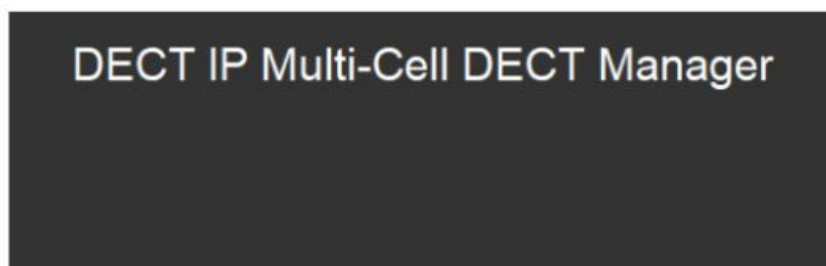
Log In to the Web User Interface

The DM and base registration can be set up via the web user interface.

Procedure:

1. Find the current IP address of the device on any paired handset.

2. Open a web browser on your computer, enter the IP address into the address bar (for example, “http://192.168.0.10” or “192.168.0.10”), and then press Enter.
3. Enter the user name (default: admin) and password (default: admin)
4. Click Login.

The image shows a login form with a white background and a thin gray border. At the top, the word "Login" is centered in a small, dark font. Below this, there are two input fields. The first field has a user icon on the left and the text "admin" inside. The second field has a lock icon on the left, a series of dots for the password, and an eye icon on the right to toggle visibility. Below these fields is a solid blue button with the word "Login" in white text.

Connect W80B to W80DM

See [Register Base Stations at the DECT Manager](#) for detailed information.

Register Devices & Assign Accounts to Devices

Any handset must be assigned an individual SIP account. After registering with the system, the handset can use the account to receive and send VoIP connections.

The number of registered accounts must meet the following requirements:


Supported Devices	Max number of base stations registered on the W80DM	Max number of accounts registered on the W80DM	Max number of registered accounts assigned to each handset/C P/DD Phone:
--------------------------	--	---	---

W73H			
W78H			
W57R			
W59R			
W53H			
W56H			
CP930W	30	100	1
CP935W			
DD			
Phone			
(T54W+			
DD10K)			

Create a SIP Server Template Configuration

You can use up to ten different SIP servers in the system. In addition, you can pre-configure up to 10 SIP server templates for choosing when registering SIP accounts.

Via Web User Interface

1. Log in to the web user interface of the DM.
2. Go to Handset & Account > SIP Server Settings.
3. Click  to edit the template.
4. Set and save the corresponding parameters.

Via Auto Provisioning

template.X.name

template.X.sip_server.Y.address

template.X.sip_server.Y.port

template.X.sip_server.Y.transport_type

template.X.sip_server.Y.expires

template.X.sip_server.Y.retry_counts

template.X.nat.traversal


template.X.outbound.enable

template.X.outbound.Y.address

template.X.outbound.Y.port

template.X.outbound.fallback_interval

Parameters	Permitted Values	Default	Description
template.X.name	String within 64 characters	Blank	It sets the name of the SIP server template.
template.X.sip_server.Y.address	String within 64 characters	Blank	It configures the IP address or domain name of the SIP server Y in which the account is registered.
template.X.sip_server.Y.port	Integer from 0 to 65535	5060	It configures the port of SIP server Y.
template.X.sip_server.Y.transport type	0-UDP 1-TCP 2-TLS 3-DNS-NAPTR, if no server port is given, the device performs the DNS NAPTR and SRV queries for the service type and port.	0	It configures the type of transport protocol.
template.X.sip_server.Y.expires	Integer from 30 to 2147483647	3600	It configures the registration expiration time (in seconds) of SIP server Y.

template.X. sip_server. Y.retry_count is	Integer from 0 to 20	3	<p>It configures the retry times for the device to resend requests when the SIP server Y is unavailable or there is no response from the SIP server Y.</p> <p>The handset moves to the next available server after three failed attempts.</p>
template.X. nat.traversal	Integer from 0 to 20	3	<p>It configures the retry times for the device to resend requests when the SIP server Y is unavailable or there is no response from the SIP server Y.</p> <p>The handset moves to the next available server after three failed attempts.</p>
template.X. outbound.enable	0-Disabled 1-Enabled	0	<p>It enables or disables the device to send requests to the outbound proxy server.</p>
template.X. outbound.Y. .address	String within 64 characters	Blank	<p>It configures the IP address or domain name of the outbound proxy server Y.</p> <p> NOTE</p> <p>It works only if template.X.outbound.enable is set to 1 (Enabled).</p>

template.X.outbound.Y.port	Integer from 0 to 65535	5060	<p>It configures the port of the outbound proxy server Y.</p> <p>NOTE</p> <p>It works only if template.X.outbound.enable is set to 1 (Enabled).</p>
template.X.outbound.fallback_interval	Integer from 30 to 2147483647	3600	<p>It configures the time interval (in seconds) for the device to detect whether the working outbound proxy server is available by sending the registration request after the fallback server takes over call control.</p>

X is the account ID. X=1-100.

Y is the server ID. Y=1-2

Register Accounts

Method 1 – Import Account Registration File

You can upload an account registration file to register accounts in batches and associate the account with the handset IPUI.

Procedure

1. On the web user interface, go to Handset & Account > Handset Registration.
2. Export CSV template from DM page.
3. Fill in the handset IPUI code and account information.
4. Import the CSV template back to the DM page.

Handset Registration

IPUI Search Import Export Add Handset

Registered Handsets: 6 / 100 Registering Handset: N / A Handsets With SIP Account: 0

#	IPUI	HS Status	Paired Status
1		Unregistered	-
2	0291DE9D19	Registered	-
3	0291A6D4DB	Registered	-
4	0291D08CE3	Registered	-
5	0291C600A4	Registered	-
6	0291EEFC49	Registered	-
7	0228C62054	Unregistered	-
8	0291E73BE7	Registered	-

Total: 8 1 10 / Page Go to 1 Page

Method 2 – Use Registration Center

The registration center allows you to register groups of handsets in one registration process. You do not need to click Start Register Handset every time.

- Total Handsets: Shows how many handsets are registered in the current system.
- Registered Handsets: Shows how many handsets are registered through the registration center this time.
- Current Time: Shows the current system time. It is updated in real-time.

Procedure

1. Log in to the web user interface of the DM.
2. Go to Handset & Account > Registration Center.
3. In the Registration Start Time field, enter the time when the next registration process should be started.
Valid value: At least 1 minute later than the current time but no more than 24 days.
4. In the Registration Duration field, enter the duration that the DM should stay in registration mode.
Default: 3 minutes.
5. Click Confirm.

Registration Center

Total Handsets	6
Registered Handsets	0
Current Time	2023-01-05 15:27:26
Registration Start Time	2023 Year 1 Month 8 Day 8 Hour 0 Minute
	<input type="button" value="Start Now"/> <input type="button" value="Close"/>
Registration Duration	0 Hour 3 Minute 0 Second

Method 3 – Add a Handset and Assign an Account Via Web User Interface

1. Log in to the web user interface of the DM.
2. Go to Handset & Account > Handset Registration > Add Handset.
3. Press Reg on the handset.

Via Auto Provisioning

The following table lists the parameters you can use to change the registration settings.

account.X.enable_user_equal_phone

account.X.register_mac

account.X.register_line

account.X.unregister_on_reboot

account.X.sip_server_type

sip.reg_surge_prevention

account.X.subscribe_register

phone_setting.disable_account_without_username.enable

account.X.register_expires_overlap

account.X.subscribe_expires_overlap

Parameters	Permitted Values	Default	Description
account.X.enable_user_equal_phone	0-Disabled 1-Enabled	0	It enables or disables the phone to add user=phone to the SIP header of the INVITE message.
account.X.register_mac	0-Disabled 1-Enabled	0	It enables or disables the phone to add MAC address to the SIP header of the REGISTER message.
account.X.register_line	0-Disabled 1-Enabled	0	It enables or disables the phone to add a line number to the SIP header of the REGISTER message. 0-99 stands for line 1-100.
account.X.unregister_on_reboot	0-Disabled 1-Enabled	0	It enables or disables the phone to unregister first before reregistering account X after a reboot.
account.X.sip_server_type	0-Default 2-BroadSoft (It works only if “bw.enable” is set to 1 (Enabled)) 8-Genesys 10-Genesys Advanced	0	It configures the type of SIP server.

sip.reg_surge_prevention	Integer from 0 to 60	0	It configures the waiting time (in seconds) for account register after startup. NOTE If you change this parameter, the phone will reboot to make the change take effect.
account.X.subscribe_register	0-Disabled 1-Enabled	0	It enables or disables the phone to subscribe to the registration state change notifications.
phone_setting.disable_account_without_username.enable	0-Disabled 1-Enabled	0	It enables or disables the phone to disable the account whose username is empty.
account.X.register_expires_overlap	Positive integer and -1	-1	It configures the renewal time (in seconds) away from the registration lease.
account.X.subscribe_expires_overlap	Positive integer and -1	-1	It configures the renewal time (in seconds) away from the subscription lease.

X is the account ID. X=1-100

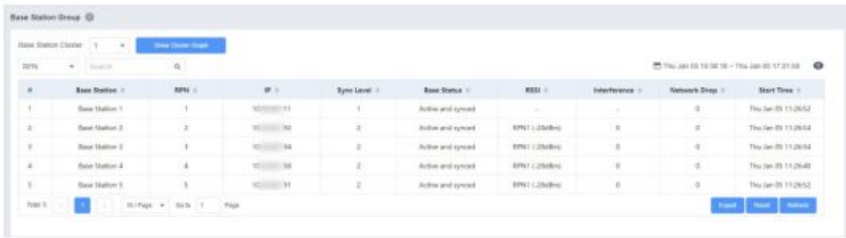
Check System Status

After setting up the DM, you can check the base signal, the base synchronization status, and the handset status.

Base Status

1. Log in to the web user interface of the DM.

2. Go to Status > Base Station Group.



#	Base Station	BPN	BP	Sync Level	Base Station	RSSI	Interference	Network Drop	Start Time
1	Base Station 1	1	102000011	1	Active and synced	-	-	0	Thu Jan 09 11:26:52
2	Base Station 2	2	102000010	2	Active and synced	BPW1 (25dBm)	0	0	Thu Jan 09 11:26:54
3	Base Station 3	3	102000004	2	Active and synced	BPW1 (25dBm)	0	0	Thu Jan 09 11:26:54
4	Base Station 4	4	102000004	2	Active and synced	BPW1 (25dBm)	0	0	Thu Jan 09 11:26:40
5	Base Station 5	5	102000001	2	Active and synced	BPW1 (25dBm)	0	0	Thu Jan 09 11:26:52

Handset Status

Check the handset and account registration status. Both handsets and accounts should be on Registered status.

- 1. Log in to the web user interface of the DM.
- 2. Go to Handset & Account > Handset Registration.



#	IMEI	HS Status	Paired Status	BP Account	Account Status	HS Type	Operation
1	102000011	Unregistered	-	1234	Registered	-	[Icons]
2	102000019	Registered	-	1315	Registered	CPH01W	[Icons]
3	102000004	Registered	-	2022	Registered	CPH01W	[Icons]
4	102000023	Registered	-	1678	Registered	W73H	[Icons]
5	102000004	Registered	-	3959	Registered	W80B	[Icons]

[Update Firmware](/home/app-service/uncompressTmp/f8f777da-ce08-4e42-ba12-62e58a01f1c3/10. Update Firmware)

Make sure that your device are up to date. You can get the latest firmware from [Yealink Support](#).

Devices	Latest Firmware
W80B/W8ODM	https://support.yeatink.com/en/portal/docList?archiveType=software&productCode=bc176c6131147734
W73H	https://support.yealink.com/en/portal/docList?archiveType=software&productCode=a2ee256338b4lae3
W78H	https://support.yealink.com/en/portal/docList?archiveType=software&productCode=8ca0e9438a6e4172

W57R	https://support.yeatink.com/en/portal/docList?archiveType=software&productCode=42a765d48dfd4953
W59R	https://support.yealink.com/en/portal/docList?archiveType=software&productCode=b0040cca269c2a01
W53H (EOL)	https://support.yealink.com/en/portal/docList?archiveType=software&productCode=a6c3373ecd0f14df
W56H	https://support.yealink.com/en/portal/docList?archiveType=document&productCode=a34023ebd40b60c4
CP930W (EOL)	https://support.yeatink.com/en/portal/docList?archiveType=software&productCode=be01a9fbcfec2522
CP935W	https://support.yealink.com/en/portal/docList?archiveType=software&productCode=62c3f61e677d4Oad
DD Phone (T54 W+DDIOK)	https://support.yealink.com/en/portal/docList?archiveType=software&productCode=97d6510144112ece

Procedure

1. Log in to the web user interface of the DM.
2. Go to Settings > Upgrade.
3. Do one of the following:

To upgrade the base and DM, click Select File beside Upgrade Firmware.

To upgrade the handset and DD phone, click Select File beside Select and update handset firmware.


Deploy W80B Multi-Cell Solution

If you want to deploy multiple W80Bs with RT30 repeaters, see [Deploy W80B Multi-Cell Solution](#).

FAQ

[If there is a sudden power failure, what do I need to do after the power comes?](#)

Documents / Resources

	<p>Yealink W80B DECT IP Multi Cell System [pdf] User Guide</p> <p>W80B, W80B DECT IP Multi Cell System, DECT IP Multi Cell System, Multi Cell System</p>
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References

- [User Manual](#)

DECT IP Multi-Cell System, Multi-Cell System, W80B, W80B DECT IP Multi Cell System, Yealink Yealink

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