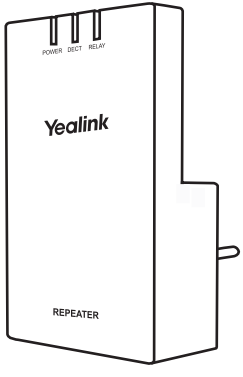
Yealink

DECT Repeater

RT20



Packaging Contents

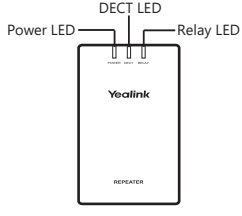
The following items are included in your package:

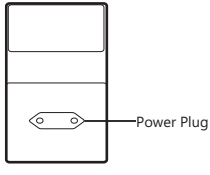
RT20

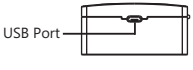
User Guide

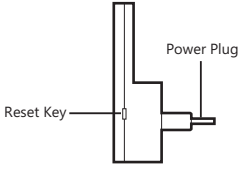
Overview

Appearance Instructions









User Guide (V1.1)

LED Status

The DECT repeater has three LED indicators describing the repeater statuses. The following table provides instructions on repeater statuses and LED indications.

Status	Power	DECT	Relay
Power On	Green	Off	Off
Not registered, auto search base station	Green	Slow flashing red	Off
Base station found	Green	Fast flashing green	Off
Registered to base station, ready for use	Green	Green	Off
Active relay	Green	Green	Green
Registered, but not linked to base station	Green	Alternately fast green – once red Flashing	Off

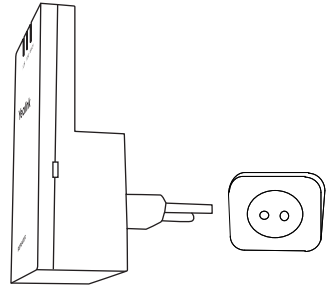
The DECT LED can indicate the DECT link quality. RT20 must be operated with this LED in green status. The following table provides instructions on DECT link quality and LED color.

DECT link	Color
Excellent to good	Green
Medium	Yellow
Poor	Red

Installation

To connect the power for the repeater:

1. Plug the repeater into a AC outlet.



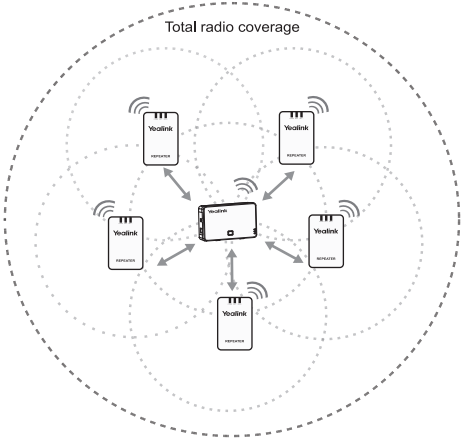
Introduction

Yealink DECT repeater RT20 is designed in accordance with Digital Enhanced Cordless Telecommunication (DECT) standard. It can be deployed to extend the range of the Yealink IP DECT phone (e.g., W52P, W56P) to cover areas where reception was previously not available. All the usual handset functions are supported by the base station in the extended radio range.

The repeater, base station and cordless handset employ wireless connection. Signals are exchanged without acoustical and visual differences.

Multiple Repeaters

Up to 5 repeaters can be registered to one base station to extend available reception range for all registered handsets. All repeaters must be installed within the base station coverage area (up to 300m in unobstructed outdoor areas and up to 50m inside buildings), as shown in the figure below. It is not possible to install the repeaters in series or "daisy-chain".



If the DECT link quality of RT20 is in excellent-to-good condition, you can register up to 5 handsets to your base station and the base station can handle a maximum of 4 calls at one time.

The repeater can be used to extend the coverage range in all directions, allowing several floors to be covered. The automatic handover process is seamless.

If the repeater is placed correctly (overlapping the coverage area of the base station), the handsets can move freely within the total coverage area while on a call.

Registering the Repeater

Registration cannot be performed if the repeater is already registered to one base station. In this case, de-register the repeater before attempting registration. For more information, refer to "De-registration".

Registration

1. Plug the repeater into a AC outlet.
   Power LED is green and DECT LED is slowly flashing red.
2. Enable the repeater mode on the handset at the path: **Settings**->**System Settings**->**Repeater Mode**.
3. Set base station in registration mode (Long press paging key on the base station till the first LED flashes).
   If base station is found, DECT LED will fast flash green.
   When DECT LED is on, registration to base station is successful (green: good DECT link).

Note: You cannot set the base station in registration mode, if there are 5 handsets registered on the base station.

Relay Connection

Incoming call:

1. Place a call to the handset in repeater zone.
   The Relay LED on repeater is green.
2. Accept the call.
   The Relay LED on repeater is green till call is finished.

Outgoing call:

1. Place a call using the handset in repeater zone.
   The Relay LED on repeater is green till call is finished.

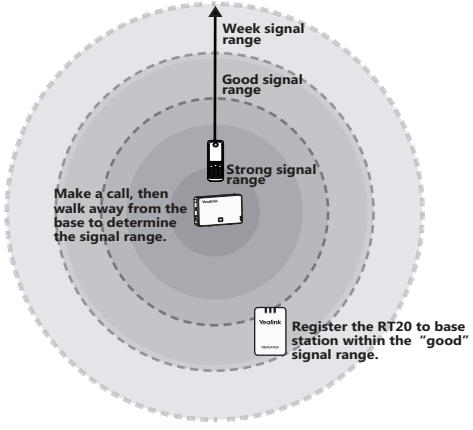
De-registration

If you want to register the repeater to another base station, de-register the repeater beforehand as described below:

1. Plug the repeater into a AC outlet.
   If the repeater is registered to a base station, DECT LED is green.
2. Long press the reset key on the repeater.
   DECT LED is slow flashing red after successful de-registering the repeater, and the repeater is ready for a new registration.

Placement

To achieve optimum performance for the repeater, it is important to find a good location.



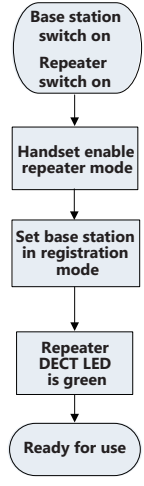
1. Hold the handset and stand near the base.
2. Make a call, and carry the handset away from the base.
3. Make a note where you start to hear noise on the line, which indicates the signal is getting weaker.

The optimum location for the repeater is as far from the base as possible while still maintaining a good signal, or just inside the location where the noise became noticeable.

Here are a few tips for placing repeaters:

- Choose a raised position for both the base station and repeater wherever possible.
- When positioning the repeater, avoid obstacles that can interfere with radio transmission such as thick wall and metal structures that may be in the coverage area between the base station and repeater.
- Avoid interference from other electrical appliances such as micro-wave ovens, Hi-Fi equipment, computers etc.
- Keep a minimum of 10 meters between multiple repeaters to avoid coverage area overlapping.

The flow diagrams of registration is shown below:



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