IQ

Interquartz
RTX4002
DECT
REPEATER

User Manual

RTX4002 DECT Repeater
USER MANUAL

A Repeater is used to extend the range of compatible cordless telephones to cover areas where reception was previously not available.

Any cordless phones complying to the DECT standard will be compatible with the Repeater, which in turn is transparent to the handset and base unit so that all original functions between the two are supported via the Repeater.

The Repeater, base unit and cordless handset employ wireless connections. Signals are exchanged without the user hearing or noticing the difference.

Multiple Repeaters

Up to 6 Repeaters can be registered to a compatible base unit. The maximum number of cordless handsets depends on the cordless phone's base unit (refer to the cordless phone's user manual to determine the limit).

All Repeaters must be installed within the base unit's coverage area, as shown in the drawing below. It is not possible to install Repeaters in series or "daisy-chain".
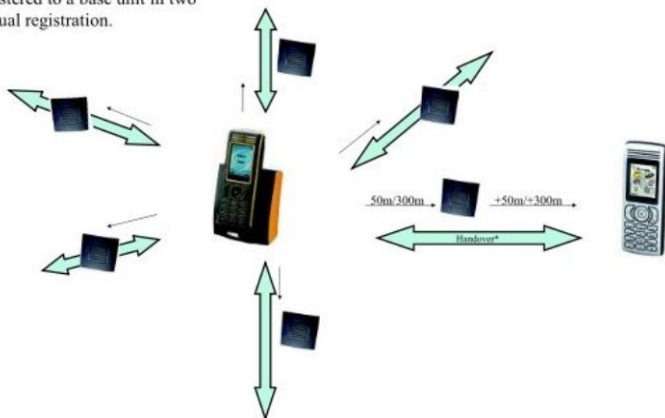
The Repeaters can be used to extend the coverage area in all directions both horizontally and also vertically to cover several floors in a building.

If the Repeaters are placed correctly so that the coverage areas and the base unit overlap, the cordless phone can move freely within the total coverage area while on a call.

This automatic handover process is seamless and automatic.

Before the Repeater is installed, it must be registered to the base unit.

The Repeater can be registered to a base unit in two ways: automatic or manual registration.

50m/300m   +50m/+300m

Handover*

Auto registration

1. Ensure that the Repeater is switched off (disconnect the power plug or switch off at the wall outlet).

2. Set the base unit in registration mode. On most base units, the procedure is started by holding down the Registration" or "Page" key for several seconds. Consult your phone's base unit's user guide for more information.

3. Switch on the Repeater (connect the power plug).

4. The LED on the Repeater flashes. After a short while the LED stays on permanently indicating that registration is **complete and the unit is ready for operation.**

Note! If the registration is not immediately successful, the LED will flash continuously. In this case, repeat the above procedure.

Note! Before reinstalling the Repeater (e.g. at another base unit), please de-register the Repeater as described below:
1) Switch off the unit (disconnect the power plug).
2) Switch on for 1 to 5 seconds and switch off again.
3) Switch on for 25 to 35 seconds and switch off again.
The Repeater is now ready for a new auto registration.

Manual registration

The Repeater registration method depends on the procedure defined in the base unit's instructions.

The base unit, the cordless handset and the Repeater must be accessible before registration can be performed.

If you are registering more than one Repeater, this must be performed separately for each Repeater.

The following procedure is also shown as a flow chart in this user manual.

1. Set up the base unit's password to "0000"

The base unit and a handset must be ready for operation and the Repeater is not yet connected to the mains power supply. Consulting the base unit's user guide, set the registration password to "0000".

2. Set the Repeater in registration mode

Insert the Repeater's power plug for 1-5 seconds in the socket and then remove it. Insert it once more and leave it there. Alternatively switch on and off the wall outlet's power switch within the timing described above.
The LED on the front of the Repeater flashes slowly.

You now have five minutes to carry out the registration. If the procedure is not carried out within this period please return to step 1 (the LED will have stopped flashing slowly).

3. Set the base unit in registration mode

On most base units, the procedure is started by holding down the "Registration" or "Page" key for several seconds. Consult your base unit's user guide for more information.

4. The LED on the front of the Repeater flashes

If the LED flashes very quickly <u>without</u> interruptions go to step 6. If the LED flashes very quickly <u>with</u> brief interruptions go to step 5.

5. Registration of the handset

If the LED flashes very quickly with brief interruptions, the base unit's password has not been set to "0000". Please return to step 1.

6. Assign a Repeater number

You must now assign a Repeater number to the Repeater (choose from 2 to 7, for up to 6 Repeaters).

Go off hook by pressing the ☎ key (the LED stops flashing). Press a number between 2 and 7. When the Repeater has accepted the chosen number, the LED will flash a corresponding number of times. Accept the registration by pressing the * key and then the ☎ key to return to the on hook state.

The Repeater is now automatically restarted: the LED goes off for 2 seconds, flashes for a brief moment and the LED remains continuously lit.

The registration of the Repeater is completed. You can now disconnect the power and move the Repeater to the selected location. Disconnecting the power will not delete the registration.

Please note that each number only can be assigned once, when using more than one Repeater. These numbers are independent of the cordless handset's extension numbers.

[Installation]

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

Here are a few tips for placing Repeaters.

- Choose a raised position for both the base unit and Repeater wherever possible.

- When positioning the Repeater, avoid obstacles that can interfere with radio transmission such as thick walls and metal structures that may be in the signal path between the Repeater and base unit.

- Avoid interference from other electrical appliances such as micro-wave ovens, Hi-Fi equipment, computers etc.

- Keep a minimum of 10 meters between Repeaters when installing multiple Repeaters which will have overlapping coverage areas.

Note: The LED must remain on constantly after the device has been switched on.

If the LED flashes, the Repeater is too far away from the base unit or reception is being hindered by thick walls or metal objects (e.g. radiators). A new location should be found where adequate signal from the base unit is confirmed by the Repeater's LED glowing steadily.

[Verification tone]

To find the best possible location for the Repeater, you may need to try various locations. Make a call and walk around with the handset to determine the base unit's coverage area. The verification tone allows you to easily check the extent of the Repeater's coverage area.

The procedure below enables you to establish whether or not the cordless phone is working via the Repeater and that the Repeater's coverage is in the desired area.

The tone is audible on the cordless phone during a call.

Carry out the procedure described below on the Repeater in order to <u>activate</u> the verification tone)

- Switch off the unit (disconnect the power plug)
- Switch on for 1-5 seconds and switch it off again.
- Switch on again. The LED on the unit is flashing slowly; switch off again.
- Switch it on again. The verification tone is then activated. During your test calls the tone will be heard in the cordless phone's earpiece and at the other end of the call.

To <u>deactivate</u> the tone, repeat the above steps.

[Maintenance]

Simply wipe the Repeater with a damp cloth or an antistatic wipe.
Never use solvents or a dry cloth (static discharge).

[RTX REPEATER AND GIGASET™] [PAIRING GUIDE]

Please note: the below procedure only applies to the Siemens Gigaset™ models that support Repeater mode (E series and SL series).

[Preparation]

- Connect the Gigaset™ to the mains power and a telephone line.
- Once the Gigaset™ handpiece has automatically registered to its base, enable Repeater mode via the handpiece menu system by selecting MENU/ SETTINGS/BASE/ADD FEATURE/ REPEATER MODE.
- Connect the Repeater to mains power.

[Pairing]

- Disconnect the power cord from both the Gigaset™ base and the Repeater.
- Connect the power cord back into the Gigaset™ base.
- Connect the power cord back into the Repeater base for 1 - 5 second, disconnect the power cord and then plug it back in again and leave it there.
- The LED on the Repeater should flash slowly. You now have 5 minutes to complete the pairing process before the Repeater resets.
- Press and hold the Page Key on the Gigaset™ base.
- The LED on the Repeater should begin to flash rapidly.

[Assigning a Repeater number]

- Up to 6 Repeaters may be paired to a Gigaset™ base. Select one of the six (6) Repeater device slots by pressing a single digit from 2-7 on the Gigaset™ handset.
- Press the off-hook (green key).
- If accepted, the LED on the Repeater will flash a corresponding number of times to the number chosen.
- Press the * key.
- Press the on-hook (red key).
- The LED should go off for a few seconds, flash briefly and then remain continuously illuminated.

[Placement]

You can now disconnect the Repeater from mains power and position it at the desired location.

[Verification]

Make a call while standing next to the Repeater. If the call is successfully handled by the Repeater, you should hear a verification tone through the handpiece of the Gigaset every few seconds – please refer to the RTX Repeater user guide for instructions on how to turn the verification tone off.

[General Information]

General product and support information can be found at our website:

www.interquartz.com.au

Downloadable User Manuals can be found there for current models.

[Contact Points]

For general service enquiries, please contact us by email or by phone:

Email: service@interquartz.com.au
Telephone: Toll free 1800 6 IQTEL (1800 6 47835)
Website contact form: http://www.interquartz.com.au/Email

Service Coverage Area
Interquartz provides customer support for all end customers and resellers Australia wide.

Experienced help desk staff are on hand 9am to 5pm Mon to Fri.

Procedure: Warranty Claims and Non-Warranty Repairs

1. Contact Interquartz by any of the methods above to discuss the symptoms of the problem. Our staff can assist to determine whether the product is suspect or whether the problem may be elsewhere in the network.

2. If recommended by Interquartz, return the suspect unit to the Interquartz delivery point below, enclosing in your package the following:
a) Proof of purchase.
b) Documentation to indicate your (or the end user's) contact details (phone, fax and email) and return address.
c) A fault report to assist our technical staff to locate the fault or pay particular attention to the function or feature reportedly malfunctioning.
d) If required (eg. if the unit is not under warranty or has been damaged due to abuse) please include a request for a repair quotation in the package with the returned goods.
e) Any other relevant material to establish the warranty claim if applicable.

3. Repairs to the unit will be carried out according to prescribed Interquartz factory-endorsed procedures to return the unit to a serviceable condition.

4. The repaired or replaced unit will be returned or made available for collection once the repair is complete. DOA warranty repairs returned within one week of purchase will be returned at the expense of Interquartz.

Return Delivery Address (Repairs only)
Service Division
Interquartz (A'Asia) Pty Ltd
25 Northgate Drive, Thomastown VIC 3074
Telephone: (03) 9464 3333
Fax: (03) 9464 3466

Additional Support Services
Upon request, site visits can be arranged to resolve difficult service or fault issues at the discretion of Interquartz.

Workshop Service Fees
For all repairs excluded from the warranty provisions a service fee, plus the cost of parts or materials, will apply. Bulk repair prices are negotiable.

[Quotations]

Repair quotations can be arranged upon request and do not attract any extra charge for the quotation service.

[Determination of Warranty Coverage]

Pursuant to the Warranty terms below, Interquartz will determine the warranty expiration date.

Terms of Warranty
Interquartz (A'Asia) Pty Ltd warrants the original purchaser against failure under normal usage resulting from defective material and workmanship at time of manufacture for a period of eighteen months.

Proof of purchase and date of purchase may be requested for determining validity of this warranty.

This warranty does not cover defects or damage due to normal wear and tear, negligence, accidents, exposure to radiation, misuse, improper maintenance, lightning strikes or unauthorised repairs or modifications.

Consequential loss during transit to/from the customer site is not included. Notification of any defect must be made within the warranty period before a warranty repair can be effected.
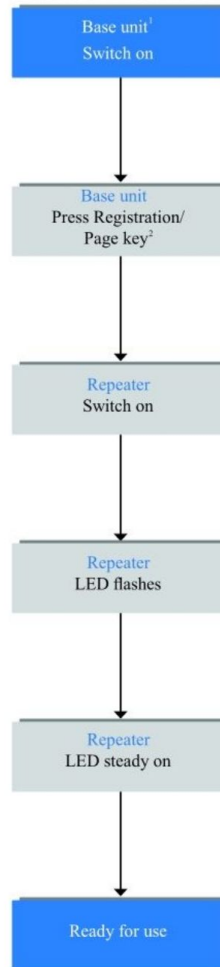
This guarantee is in addition to all other Warranties or Guarantees expressed or implied by the Trade Practices Act or other Commonwealth or State laws and all other obligations and liabilities on the part of Interquartz (A'Asia) Pty Ltd. Interquartz reserves the right at all times to determine all matters related to warranty claims within the scope of the stated Terms of Warranty.

[RTX Repeater and Panasonic DECT pairing guide]

The RTX repeater can be paired to most DECT Panasonic™ cordless telephones if they have a "locate" or "page" button plus a "stop" button.

To pair, follow the procedure provided in this manual to pair a Gigaset(TM) cordless phone. At the step where you are instructed to press the Page button, please do so on the Panasonic™ base and then press the "Stop" button. Proceed as described in the remaining steps in the Gigaset section. Your Panasonic™ cordless phone base will now be paired to your repeater.

Automatic Registration

Base unit[1]
Switch on

↓

Base unit
Press Registration/
Page key[2]

↓

Repeater
Switch on

↓

Repeater
LED flashes

↓

Repeater
LED steady on

↓

Ready for use

Manual Registration

Base unit[1]
Set Password to 0000

↓

Repeater
Switch on (1 - 5 sec) and off.
Switch on again

↓

Base unit
Press Registration/
Page key[2]

↓

Repeater
Quick flash with brief interruptions

Quick flashing, no interruptions

↓

Handset
Off Hook ☎

↓

Repeater
LED steady on

↓

Handset
Enter Rpr. No. between 2 and 7

↓

Handset
Press ✳
On Hook ☎

↓

Ready for use