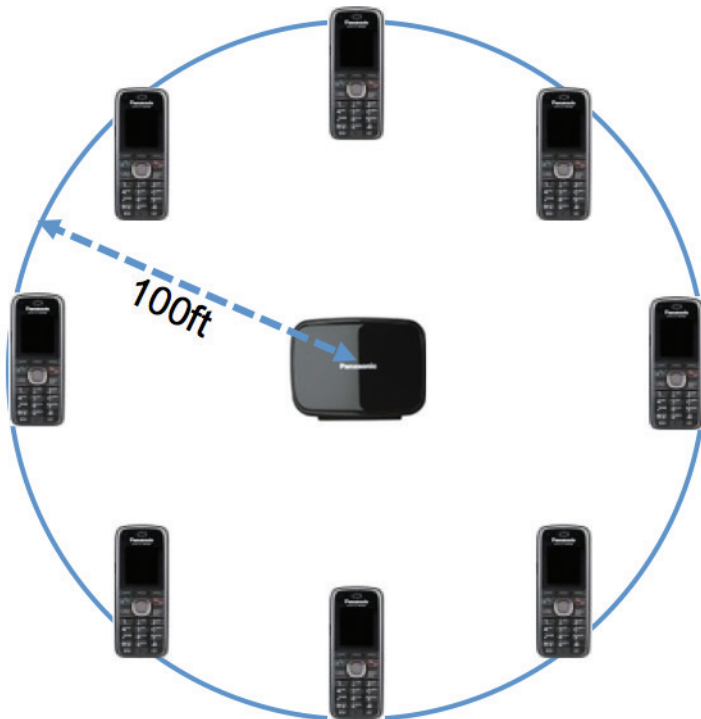


KX-TGP600 Installation Guide

(KX-TGP600 series)

Basic communication range



One KX-TGP600 Base unit can support 8 (4 in wideband mode) Registered Handsets and 8 (4 in wideband mode) Simultaneous calls within a range of 100ft radius in a standard indoor environment.

Note: This range is just a rough indication, and may be increased/decreased significantly due to the presence/absence of obstacles, especially such case going through thick walls or floors.

To install more Base units, see the guideline of following pages.

When you install multiple Base unit, you should consider the Total Number of Devices (Handsets and Base units) within a range of 100ft radius. For stable operation, Total Number of Devices within a range of 100ft radius should be less than 27 (15 in wideband mode) in each place.

To be precise, "Spatial Radio resources" should be considered. But to make it simpler, just to count the number of devices leads the same result. Don't forget to include the Base unit in the count, because the Base unit continuously transmits the "Control Signal" and it also consumes "Spatial Radio resources".

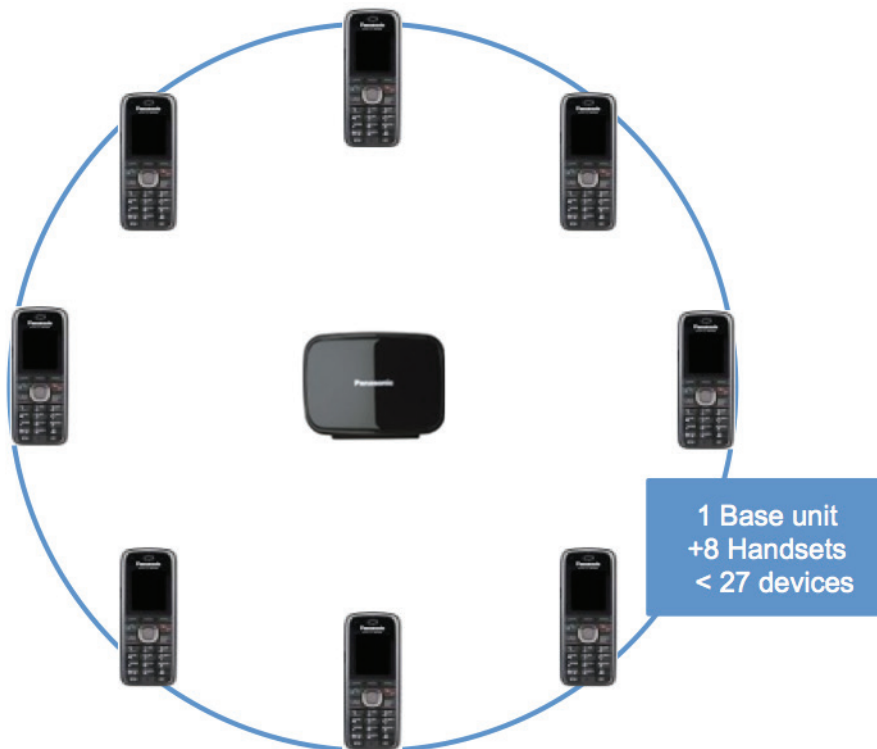


- Support for up to 8 DECT handsets / up to 8 SIP registrations
- Up to 8 simultaneous network conversations
- Registerable up to 6 repeater
- Easy setup and maintenance
- 1.8-inch, 65,000-colour TFT display on cordless handset
- High-quality wideband voice
- Noise reduction
- Up to 500 phonebook
- 200 hours standby time / 11 hours talk time
- Compatible with various optional handset type

Total Number of Devices within a range of 100ft (1)

When you install multiple Base unit, you should consider the Total Number of Devices (Handsets and Base units) within a range of 100ft radius. For stable operation, Total Number of Devices within a range of 100ft radius should be less than 27 (15 in wideband mode) in each place.

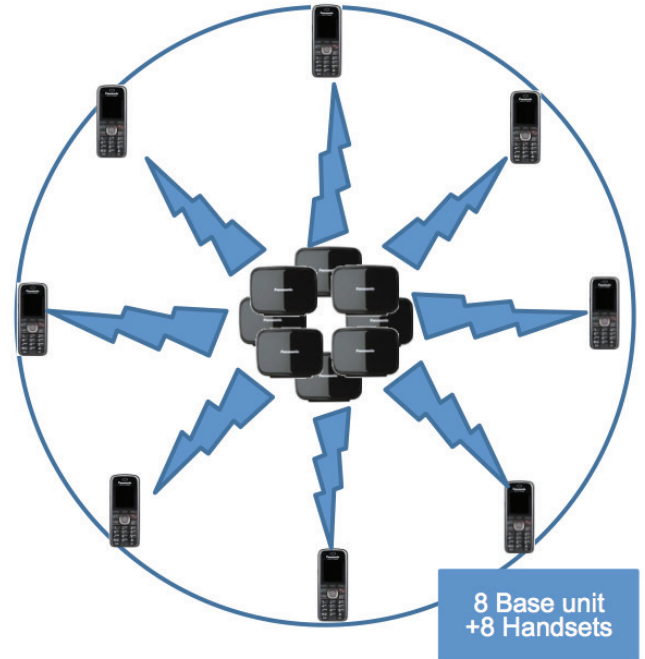
- To be precise, "Spatial Radio resources" should be considered. But to make it simpler, just to count the number of devices leads the same result. Don't forget to include the Base unit in the count, because the Base unit continuously transmits the "Control Signal" and it also consumes "Spatial Radio resources".
- Even within this limit, larger number of devices lead larger risk of interference (see next page).



Total Number of Devices within a range of 100ft (2)

Only one KX-TGP600 Base unit is necessary to support 8 (4 in wideband mode) simultaneous calls within a range of 100ft radius as left figure.

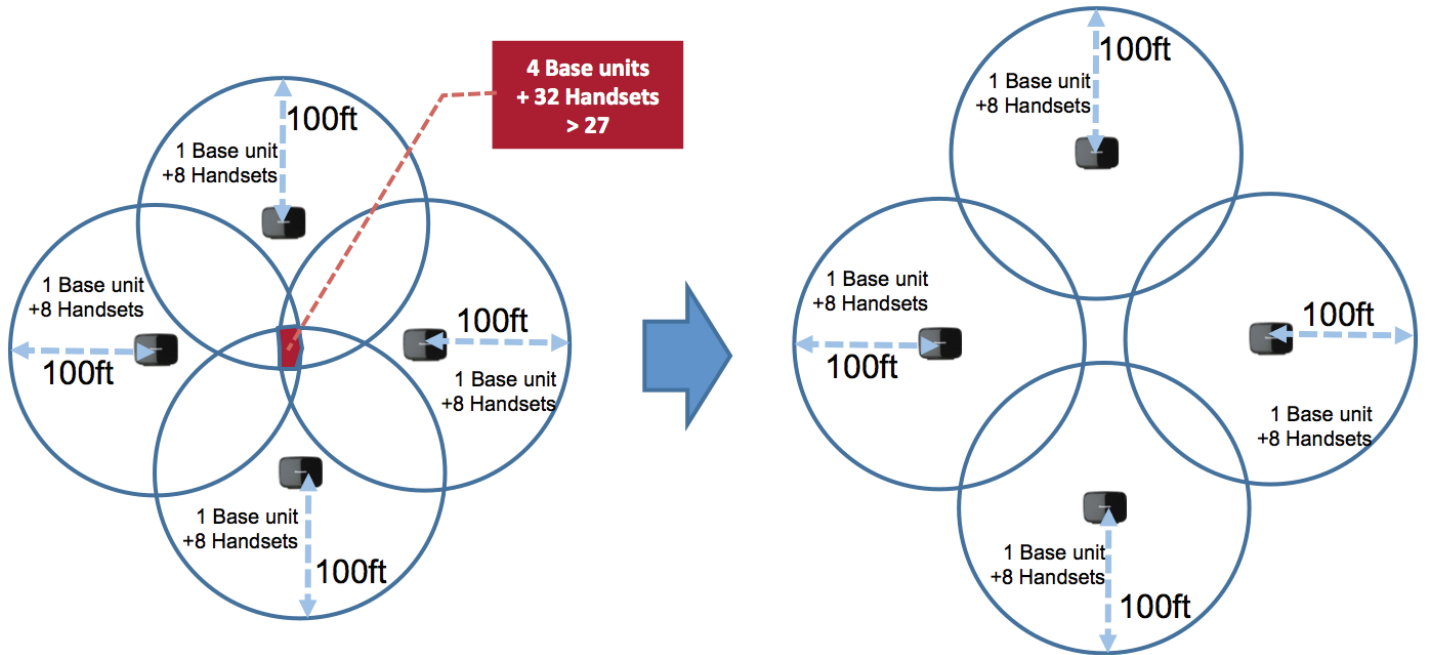
Installing unnecessarily many Base units is not recommended. For example, if you install 8 Base units for each of 8 Handsets one-by-one as right figure, 7 extra devices than left figure may increase the risk of interference. Such installation is not recommended.



Adjacent overlapped area

If many areas of 100ft radius around the Base unit are overlapped, the total number of devices in this overlapped area may exceed 27 (15 in wideband mode).

In this case, the distance between Base units should be longer each other to avoid too much devices.

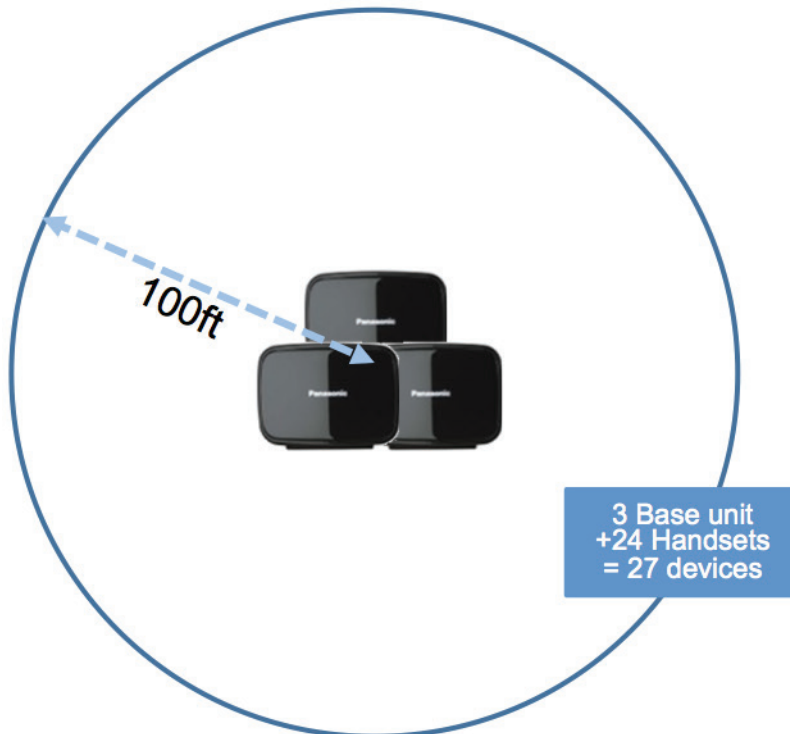


Very High Density (1)

If Very High Density in one area with 100ft radius is needed, the maximum 3 Base units can be placed near the center of the area. In this case, the individual Base unit should be at least 2ft apart from each other.

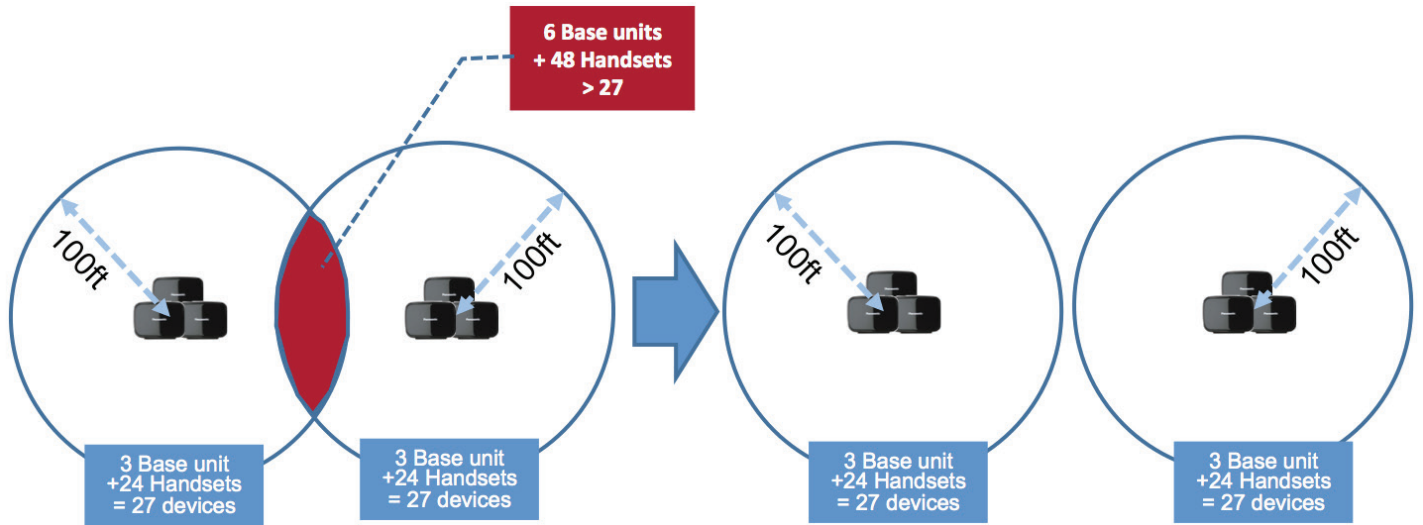
The maximum total number of devices in this case is; 3 Base units + 24 (12 in wideband mode) Handset = 27 (15 in wideband mode).

- If you face the interference/noise issue, move Base units to keep longer distance each other.
- Other DECT devices within this area also may cause the interference/noise issue.



Very High Density (2)

If there are adjacent areas of such Very High Density, each area should not be overlapped each other to keep the total number of devices in this overlapped less than the limit, i.e. not exceed 27 (15 in wideband mode).



If you have questions about installing and activating your base units and handsets, contact 8x8 customer support at [1-888-898-8733](tel:1-888-898-8733).
