

The KX-A405 - DECT Repeater

The A405 DECT repeater is an ideal solution for when you need to extend the range of your DECT CS (Cell Station), to cover areas where reception was previously not available. The A405 DECT repeater extends the range in all directions, allowing for a wider area to be covered. A single cell station can register up to 6 A405 repeaters while each repeater can support 4 simultaneous transmissions channels.

The DECT repeater is:

Connectable to all existing Panasonic Cell Stations. Capable of providing full handover of PBX DECT portable telephones with Cell Stations & telephones (PS).

Capable of bridging two IP-Cell Stations (Air Synchronisation). This is ideal when you need to bridge between:

1. Two floors of an office where there are weak spots.
2. Two buildings, to cover internal weak spots, or an outdoor area between the two locations.

Supported PBX System

The following PBX systems are supported TDE100, TDE200, TDE600, NCP500X/V, NCP500, NCP1000 TDA100/TDA100D, TDA200 and TDA600.

Supported Cell Stations

CS
KX-TDA0141
KX-TDA0142
KX-TDA0155
KX-TDA0156
KX-TDA0158
KX-NCP0158 (IP-CS)

Supported PS

PS
KX-TCA155
KX-TCA256
KX-TCA355
KX-TCA175
KX-TCA275
KX-TCA364
KX-WT115



Power Supply

AC adaptor PQLV219 (DC 6.5V 500mA)

LED Status Indication

Mode	Item	LED A (Status)	LED B (Status)
Power Off		OFF	OFF
Deregistration Mode	Deregistration	Red Flashing	OFF
	Deregistration completion	Red ON	OFF
Deregistration Mode	Search for Cell Stations (CS)	Red Flashing	OFF
Operation Mode	Standby (high radio signal strength)	Green ON	Green ON
	Standby (low radio signal)	Green ON	Amber ON
	Standby (out of service)	Red ON	Red ON
	Talk (high radio signal strength)	Green Flashing	Green ON
	Talk (low radio signal strength)	Green Flashing	Amber ON
	Busy (high radio signal strength)	Moderate Green Flashing	Green ON
	Busy (low radio signal strength)	Moderate Green Flashing	Amber ON
Manual Registration Mode	ID1	Green ON	1 Red Flashing
	ID2		2 Red Flashing
	ID3		3 Red Flashing
	ID4		4 Red Flashing
	ID5		5 Red Flashing
	ID6		6 Red Flashing
ID Verification Mode	ID1	Amber ON	1 Green Flashing
	ID2		2 Green Flashing
	ID3		3 Green Flashing
	ID4		4 Green Flashing
	ID5		5 Green Flashing
	ID6		6 Green Flashing

(*1) Interval of flashing Flashing : 640ms ON / 640ms OFF Moderate Flashing : 320ms ON / 320ms OFF



Figure 1. Examples of Repeater Installation (1)

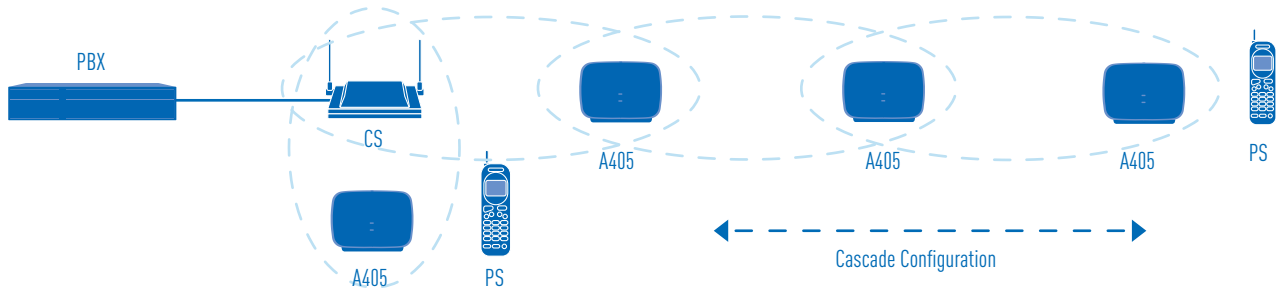
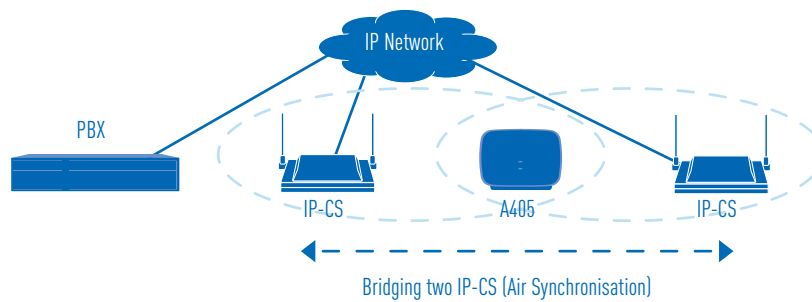


Figure 2. Examples of Repeater Installation (2)



Specifications

Category	Items	A405	
Basic Specifications	Maximum number of simultaneous calls	4	
	Maximum number of cascade steps	3	
	Maximum number of repeaters registered in a Cell Stations (CS)	6	
	Registration	Auto/Manual	
	Deregistration	Yes	
	Non blind slot	Yes	
	Site Survey mode	No (*1)	
RF Specifications	Wireless Interface	DECT	
	RF Power	Peak 250 mW	
	RF Band	1880 MHz -1900 MHz	
	Number of Carriers	10	
General Specifications	Dimensions (mm)mode	111(W) X 82(H) X 39(D)	
	Weight	80g	
	Power Supply	AC adaptor	
			220-240VAC 50/60Hz
			6.5V 500mA
AC adaptor cord length	1.8m		
Operating Temperature	0 to 40 °C		

(*1) A405 doesn't need Site Survey mode. Site Survey is carried out by checking LED indication at standby mode.