Panasonic®

Range Extender

Model No. **KX-TGA405**
KX-TGA405C

Installation Guide for Range Extender

By installing this unit, you can extend the range of your phone system to include areas where reception was previously not available.
The unit extends the range in all directions, allowing several floors to be covered.
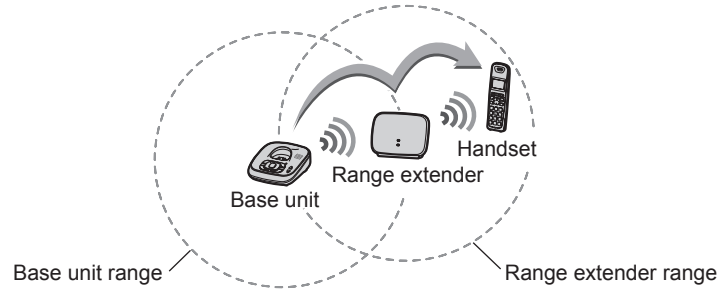
Important:
- This unit is an accessory unit for use with Panasonic Digital Cordless phones.
- This unit is pre-registered to the base unit.
- This leaflet only describes the steps needed to install and use the unit. Refer to the base unit's operating instructions for accessory information, important information for safety, FCC and other information (for U.S.A. users only), and Industry Canada Notices and other information (for Canada users only).
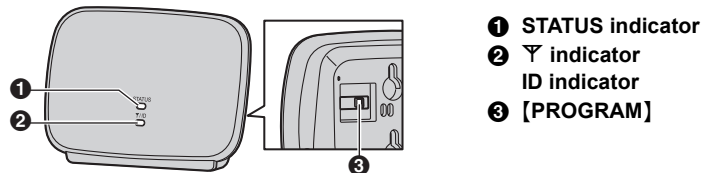
For best performance

Placement
- Install the unit within base unit range in an indoor environment. We recommend installing the unit in a raised position (such as on a wall).
- Avoid positioning the unit close to objects that will interfere with reception, such as thick walls, radiators, metal shelving, etc.
- For maximum distance noise-free operation, place the unit away from electrical appliances such as TV, radio, personal computer, or other telephone equipment.
- Keep an appropriate distance from the base unit to maximize the range of your phone system. Find the appropriate location by checking the Ψ indicator. If the Ψ indicator lights red or amber, re-position this unit in a place where the Ψ indicator lights green.

Base unit
Range extender
Handset
Base unit range
Range extender range

Controls

❶ **STATUS indicator**
❷ **Ƴ indicator**
    ID indicator
❸ **【PROGRAM】**

Understanding the STATUS indicator and Ƴ indicator

Indicator	Light status		Meaning
STATUS indicator	Green	On	● Within base unit range. The unit is ready for use.
		Flashing	● 1 handset is communicating with the base unit through this unit.
		Flashing rapidly	● 2 handsets are communicating with the base unit through this unit.
	Red	On	● Out of base unit range.
	Off		● The power is off. (AC adaptor is not connected properly.)
Ƴ indicator	Green	On	● Signal strength of the base unit is strong.
	Amber	On	● Signal strength of the base unit is weak.
	Red	On	● Out of base unit range.
	Off		● The unit is not being used.
			● The power is off.

Installation

1 Connect the unit.
   ● Use only the supplied Panasonic AC adaptor PQLV219.

Hook

(120 V AC, 60 Hz)

Press plug firmly.
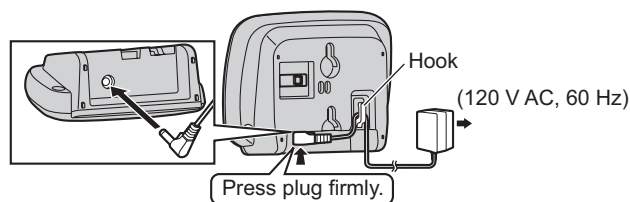
   ● When the unit is turned on, the STATUS indicator and Ƴ indicator light amber for about 2 seconds.

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2 Confirm that the STATUS indicator and ⅄ indicator light green. (The unit is ready for use.)

≥ If the indicators do not light green, re-position the unit in a place where the indicators light green.

Note:

≥ The AC adaptor must remain connected at all times. (It is normal for the adaptor to feel warm during use.)

≥ The AC adaptor should be connected to a vertically oriented or floor-mounted AC outlet. Do not connect the AC adaptor to a ceiling-mounted AC outlet, as the weight of the adaptor may cause it to become disconnected.

≥ The unit can support a maximum of 2 handsets at a time.

≥ Up to 2 range extenders can be registered to the base unit.

Wall Mounting

Drive the screws (not supplied) into the wall. Mount the unit, then slide it down.
Note:

≥ Make sure that the wall is strong enough to support the weight of the unit.

Screws

37.0 mm
(1 $^{15}/_{32}$ inches)
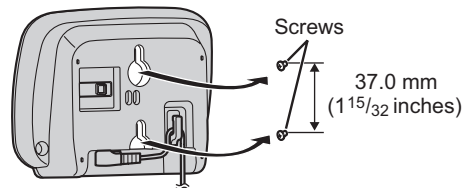
Specifications

■ **Standard:** DECT 6.0 (Digital Enhanced Cordless Telecommunications 6.0)

■ **Frequency range:** 1.92 GHz to 1.93 GHz

■ **RF transmission power:** 115 mW (max.)

■ **Power source:** 120 V AC, 60 Hz

■ **Power consumption:** Standby: Approx. 1.0 W, Maximum: Approx. 1.8 W

■ **Operating conditions:**
0 °C – 40 °C (32 °F – 104 °F), 20 % – 80 % relative air humidity (dry)

Note:

≥ Design and specifications are subject to change without notice.

≥ The illustrations in these instructions may vary slightly from the actual product.

Troubleshooting

Problem	Cause/solution
The unit does not work.	● When the indicators do not light, the AC adaptor is not connected properly. Check the connections. ● When the indicators do not light green, move the unit closer to the base unit. ● Registration may have been canceled. Deregister the unit, then re-register. **Deregister:** **1** Unplug the AC adaptor, then press and hold **[PROGRAM]**. **2** While pressing and holding **[PROGRAM]**, re-connect the AC adaptor. **3** Keep pressing and holding **[PROGRAM]** for about 10 seconds until the STATUS indicator flashes amber. Then release **[PROGRAM]**. **Re-register:** **1 Range extender:** Unplug the AC adaptor. **2 Base unit:** Press and hold **[LOCATOR]** for about 5 seconds until the registration tone sounds. – The next step must be completed within 90 seconds. **3 Range extender:** Connect the AC adaptor, then wait until the STATUS indicator lights green. **4 Base unit:** To stop the registration tone, press **[LOCATOR]**.
While talking using the handset, sound cuts in and out.	● The handset is out of range. Move the handset closer to this unit.
The STATUS indicator continues to light amber for a while.	● **[PROGRAM]** was pressed. The unit is in programming mode. To exit, press **[PROGRAM]** again. Do not press **[PROGRAM]**, except when deregistering the unit.