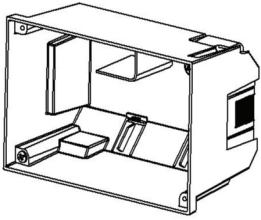


BB400 Touch Screen Wall Box Retrofit Installation Guide

Supported Models



Plastic model (BB400)

General Description

This kit includes a template to cut drywall in order to accommodate the retrofit installation of a TS400 wall mount touch screen or a KP110 wall mount 10-button LCD keypad. This kit is intended for installations where construction is complete and drywall is in place. This kit is not intended for new construction where drywall is not yet installed.

Requirements

Tools to cut the drywall and install the wall box include:

- stud finder
- tape measure
- pencil
- level
- utility knife (with a sharp blade)
- drywall saw
- Phillips head screwdriver

What's in the Kit

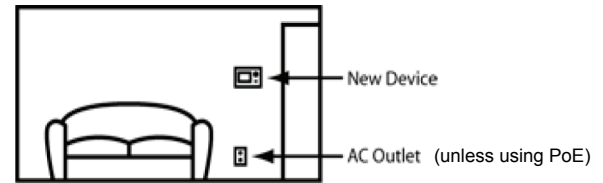
- BB400 wall box for TS400 and KP110—Retrofit
- Cutting Template
- *BB400 wall box for TS400 and KP110 - Retrofit Installation Guide* (this document)

Installation

NOTE: The wall box should be installed flush with the wall, so you do not need to subtract the depth of the sheetrock from the depth required for the wall box.

- Find an appropriate wall box location for the TS400 or KP110 you are installing:
 - Place the wall box in a convenient location, such as near the entrance of a room.
 - Place the wall box at eye level, approximately 150 cm to 160 cm from the floor.

- Place Ethernet models near a location where Ethernet Category 5 (CAT 5) wire is pulled.
- Place the wireless model above or near an AC power source, such as an AC outlet.



- Place the wall box between studs: Do not attempt to install a wall box over a wall stud.

- Measure from the floor up to the desired height of the bottom of the device (typically 145 cm to 155 cm) and lightly mark the wall with a pencil. Using a level, extend the mark into a light horizontal line that is several inches long.
- Remove the paper backing from the template so that the adhesive is exposed.
- With the adhesive side of the template toward the wall, position the Level Line (marked on the template) parallel to or covering the horizontal line you drew in Step 2, and lightly press it into place. This will mark the location of the wall box.

NOTE:

- If you press the template into place lightly, you are able to remove it more easily when required in Step 8.
- The adhesive on the template is temporary, but tends to become more thoroughly affixed over time. Avoid leaving the template in place if possible. If you have any concerns that the adhesive will damage the paint or wall paper, you should use the template without removing the paper backing.

- Using your utility knife, cut inside the perimeter slots in the template that represent the rectangular box. Use these guidelines: 1) Cut along the outside edge of each slot; 2) Cut through the outer paper of the drywall completely and into the chalk beneath it.



IMPORTANT! Pay attention to these concerns when cutting:

- Be sure to use a sharp blade on your utility knife. If the blade is not sharp enough, the outer paper of the drywall may tear.
- Be as precise as possible. The ability of the box to sit properly inside the wall depends on creating a hole that is the correct size for the box.

- Using a drywall saw (keyhole type) puncture a hole through the drywall in the center hole of the template.

NOTE: Puncture the outer paper of the drywall with the saw's point. While continuing to push gently, rock the saw forward and back until it penetrates the drywall. You do not need to push very hard.

- Saw through the template's diagonal slots to each corner of the perimeter you cut in Step 5.



WARNING! Take care not to cut any wires that might reside behind the drywall.

- Carefully peel the template from the wall to remove it.

- One at a time, use your thumb to push on each of the triangular drywall quadrants until the drywall snaps along the line you scored around the perimeter in Step 5.

- Using your utility knife, cut loose the remaining paper on the backside of each of the drywall quadrants and remove the quadrant from the opening.

- Clean up any rough edges on the opening with the drywall saw or utility knife.

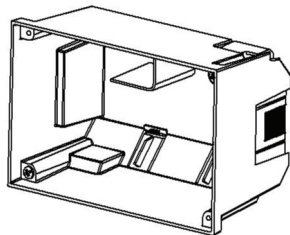


IMPORTANT! Take care not to enlarge the opening beyond the original cut.

- Feed either AC or PoE wires through a tab in the back of the wall box.

- 13** With the wall box right side up as indicated by the label on the inside of the wall box, hold the securing flaps flush against the wall box and carefully place it into the opening you created in the wall.

NOTE: When the box is right-side up, the isolation wall will be slightly offset toward the bottom of the box.



- 14** After you have placed the wall box within the wall, lightly tighten the screws that pull the securing flaps. As you tighten the screws, the flaps will cinch the box to the inside of the drywall while the flanges on the front rim of the wall box hold it in place on the outside of the drywall. *Do not tighten* the screws at this point. Secure the wall box only to the degree that it stays in place in the opening.

- 15** Finish tightening the screws that attach the securing flaps and cinch the wall box more tightly to the wall. *Do not overtighten.*



IMPORTANT! Overtightening the securing flaps may damage the drywall and undermine its ability to keep the wall box properly in place or it may strip the plastic securing flaps decreasing their effectiveness.

Limited 2 Year Warranty

Limited 2-year Warranty. Refer to www.escient.co.uk/warranty

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