

touchCUE-7-B

7" wired built-in touch panel

Product code: **CS0452**



Main features

- IP control port
- Edge-to-edge front glass
- Slim aluminum unibody enclosure
- 7" a-Si TFT touch screen display with wide viewing angles
- Resolution 1 280 x 800 pixels
- Pixel density 216 PPI
- Display colors 32-bit (True Color)
- Projected capacitive touch overlay
- Video preview
- Single cable Ethernet connection
- Power over Ethernet power supply
- Built-in microphone, speakers, light and proximity sensors
- Compatible with European/UK 1-gang electrical boxes
- No special back box needed

Description

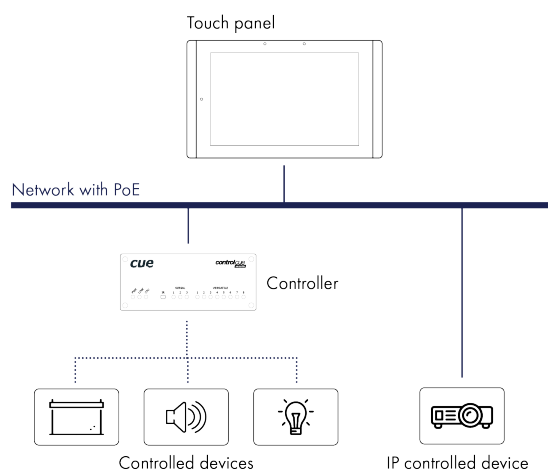
The touchCUE-7-B is a wired built-in touch panel offering a clean modern design with edge-to-edge front glass and a sleek aluminum body. It is an ideal front-end for any wall, lectern, or furniture built-in applications. Fully compatible with CUE controllers and interfaces, this touch panel provides the ultimate one-touch solution for meeting rooms, conference rooms, boardrooms, and high-tech homes.

The 7" active-matrix touch screen display offers a resolution of 1 280 x 800 pixels and it produces stunning true-color images. The touch panel is equipped with a projected capacitive touch overlay. A single cable Ethernet connection provides easy network integration. The touch panel is equipped with Power over Ethernet (PoE) technology enabling an Ethernet network cable to deliver both data and power.

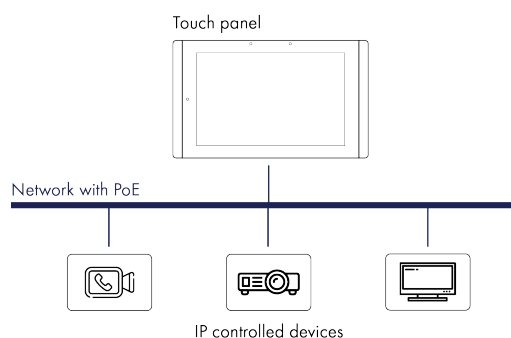
The touch panel installs easily over a 1-gang standard European/UK electrical box. It can also be attached directly to drywall and other surfaces over the front of the cutout. When installed it **protrudes only 13 mm** from the mounting surface.

Application diagrams

The following diagram describes the use of a **touch panel with a controller**. In this case, the touch panel serves as a graphic user interface only.



The following diagram describes the use of a touch panel with IP control port only. This configuration allows for the creation of **cost-effective** distributed control solutions where the **touch panel serves as a controller** and graphic user interface in one box. In Cue Visual Composer touch panels and controllers are programmed in the same way, which makes it possible to use touch panels as fully functional controllers.



Specifications

Control ports

- IP control port

Touch-screen display

- Color a-Si TFT LCD with LED backlight
- Size 7" / 177.8 mm diagonal, wide screen
- Resolution 1 280 x 800 pixels
- Display colors 32-bit (True Color)
- Transparency 8-bit Alpha blending
- White luminance 400 cd/m2
- Response time 20 ms
- Contrast ratio 800 : 1
- Pixel pitch 0.116 x 0.116 mm
- Pixel density 216 ppi

Audio

- Built-in microphone
- Built-in speakers

Video

- Streaming video preview
- Codecs: H.263, H.264, H.265, MJPEG, MPEG-2, VP8, VP9

Network

- 10/100/1000 BaseT LAN, RJ-45 connector
- 802.1X authentication mechanism supported
- Proxy Server support

- Viewing angle $\pm 80^\circ$ horizontal, $\pm 80^\circ$ vertical
- Projected capacitive touch overlay
- Edge-to-edge glass

Built-in sensors

- Light sensor for automatic backlight dimming
- Proximity sensor for automatic backlight switching on

Buttons

- System Default

Memory

- 4 GB RAM
- 16 GB NAND Flash (EMMC)

Software

- XPL² runtime for the application created in Cue Visual Composer
- Admin Web for setup

Power supply

- Power over Ethernet (PoE), 802.3af / Class 0 compatible
- Power consumption
 - 1.8 W - screen saver mode
 - 3.8 W - default brightness 70%
 - 5.2 W - brightness 100%

Physical

- Sleek aluminum body, edge-to-edge front glass
- Compatible with standard European/UK 1-gang electrical boxes
- Protection IP30
- Dimensions
 - 199 x 120 x 13 mm / 7.8" x 4.7" x 0.5" when installed
 - Full depth 39 mm / 1.6"
- Weight 0.6 kg / 1.3 lb

Environment conditions

- Operating temperature 10° to 40° C
- Storage temperature 0° to 60° C
- Relative humidity 10% to 90% non-condensing

Installation



Step 1 - Install the wall adapter to the wall box using two screws.



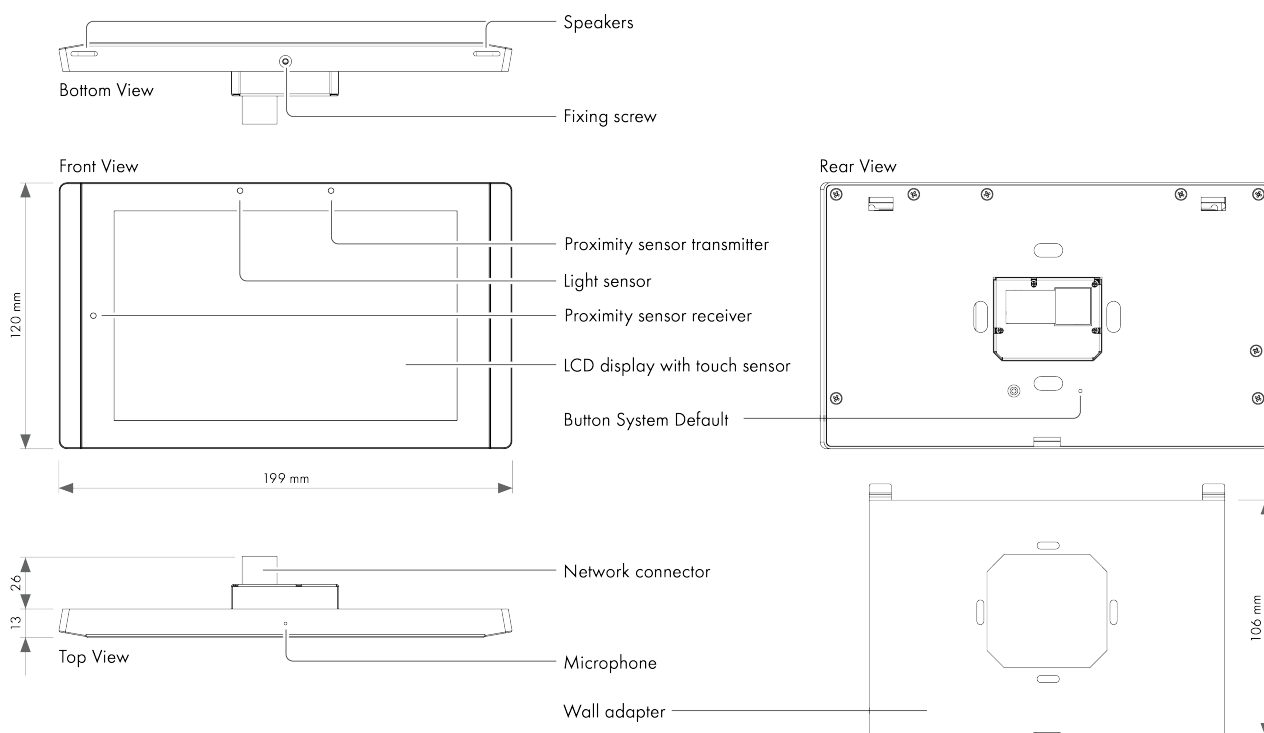
Step 2 - Install touch panel on the wall adapter.



Step 3 - Fix the touch panel to the wall adapter using a screw.

For installation instructions see Built-in models installation.

Mechanical description



[Detailed mechanical drawings for download here.](#)

Box contents

- Touch panel touchCUE-7-B
- Wall adapter incl. screws
- Allen key
- Ethernet cable
- Cleaning tissue
- Quick Start

Order information

Product code CS0452

Documentation

More information can be found in CUE Documentation:

- Wired Touch Panels Setup Guide
- touchCUE-7-B Quick Start