



# Mini Touch Screen Installation Guide



## Supported Models

### Ethernet Models:

- TSE-3.8C2-W (White)
- TSE-3.8C2-B (Black)
- TSE-3.8C2-A (Almond)

### WiFi Models:

- TSG-3.8C2-W (White)
- TSG-3.8C2-B (Black)
- TSG-3.8C2-A (Almond)

## What's in the Box

Carefully unpack the Control4 contents from the box, and make sure the following items are included in the box. If any item is missing or damaged, please contact your authorized Control4 Reseller immediately.

- Control4 Mini Touch Screen
- Two (2) sheet metal screws (1/2-inch) for attachment to a plastic wall box. (Metal wall boxes require machine screws. They are included with the metal wall box kit.)
- Mini Touch Screen Installation Guide (this document)

## Requirements for In-Wall Installations

**NOTE:** These instructions are for in-wall installations only. For tabletop installations, refer to the documentation that ships with your tabletop kit.

To install the Mini Touch Screen in a wall, you need the following:

- Control4 Controller, installed and configured.
- (Optional) An amplifier or amplified speakers.
- (Optional) Any RCA cables required to connect the Mini Touch Screen and the amplifier or amplified speakers.
- Ethernet models (Power over Ethernet - PoE):
  - Ethernet network
  - Control4 PoE Injector (model #AC-POE1-B) or another third-party PoE injector or switch.
  - Two (2) Ethernet Category 5 cables to support your PoE injector: (1) one that will run from the Ethernet gateway/router/switch to the PoE injector/switch and (2) one that will run from the PoE injector/switch to the Ethernet Mini Touch Screen wall box.
- WiFi models (AC Power):
  - Wireless network (WiFi 802.11b/g) installed and available with a wireless access point (WAP).
  - Access to in-wall AC power. (A neutral connection is required.)
  - A 14 AWG electrical wire long enough to pull between Mini Touch Screen and power source.
- Control4 Mini Touch Screen/LCD Keypad custom wall box kit. See "Wall Box Kit Options."

**IMPORTANT!** These installation instructions do not apply to Table-Top Box installations. For Table-Top Box installations, refer to the *Mini Touch Screen/LCD Keypad Table-Top Box Installation Guide*, 21-0129 B.

**IMPORTANT!** Ces instructions d'installation ne s'appliquent pas aux installations de table de boîte. Pour les installations de table de boîte, référez-vous à la documentation d'installation qui se transporte avec le kit de table de boîte, *Mini Touch Screen/LCD Keypad Table-Top Box Installation Guide*, 21-0129 B.

**IMPORTANT!** Diese Montagevorschriften treffen nicht auf Table-Top Kasteninstallationen zu. Für Table-Top Kasteninstallationen beziehen Sie sich die auf Installationsunterlagen, die mit dem table-top Kasteninstallationsatz versendet, *Mini Touch Screen/LCD Keypad Table-Top Box Installation Guide* 21-0129 B.

## Important Safety Instructions

- Read these instructions and keep these instructions.
- Heed all warnings and follow all instructions.
- Do not use this apparatus near water.
- Clean only with dry cloth.
- Install in accordance with the manufacturer's instructions.
- Install in accordance with all national and local electrical codes.
- This product is also designed for IT power systems with phase-to-phase voltage 230V.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Protect the power cords, if applicable, from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- If applicable, unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

**WARNING!** The Mini Touch Screen must be protected by an external circuit breaker or a fuse rated at 16A maximum.

**AVERTISSEMENT!** Le mini écran tactile doit être protégé par un disjoncteur externe ou un fusible évalué au maximum 16A.

**WARNUNG!** Der Minitouch Screen muss durch einen externen Stromunterbrecher oder eine Sicherung geschützt werden, die am Maximum 16A veranschlagen werden.

**WARNING!** To reduce the risk of fire or electrical shock, do not expose this apparatus to rain or moisture.

**AVERTISSEMENT!** Pour réduire le risque du feu ou de choc électrique, n'exposez pas cet appareil à la pluie ou à l'humidité.

**WARNUNG!** Um das Risiko des Feuers oder des elektrischen Schlages zu verringern, setzen Sie diesen Apparat nicht Regen oder Feuchtigkeit aus.

**WARNING!** To avoid bodily harm, always contact a authorized Control4 Reseller for assistance if any repair or adjustment is required.

**AVERTISSEMENT!** Pour éviter des dommages physiques, contactez toujours un revendeur de Control4-authorized pour l'aide si n'importe quelle réparation ou ajustement est exigée.

**WARNUNG!** Um Körperverletzung zu vermeiden, treten Sie immer mit einem Control4-authorized Wiederverkäufer für Unterstützung in Verbindung wenn irgendeine Reparatur oder Justage angefordert wird.

**WARNING!** Do not place unit near sources of heat or expose to direct sunlight for an extended period of time.

**AVERTISSEMENT!** Ne placez pas l'unité près des sources de chaleur ou exposition pour diriger la lumière du soleil pendant une période prolongée.

**WARNUNG!** Setzen Sie Maßeinheit nicht nahe Quellen der Hitze oder des Exposees, um Tageslicht während eines ausgedehnten Zeitabschnitts zu vermeiden.

**IMPORTANT!** Do not use pens or sharp objects to navigate or make selections on the Touch Screen. To select an item or scroll through a list, use either your fingertip or the Select dial.

**IMPORTANT!** N'employez pas les stylos ou les objets pointus pour diriger ou pour faire des choix sur l'écran. Pour choisir un article ou un rouleau par une liste, utilisez votre bout de doigt ou le cadran choisi.

**WICHTIG!** Benutzen Sie nicht Federn oder scharfe Gegenstände, um oder Vorwählern auf dem Schirm zu bilden zu steuern. Um ein Einzelteil oder eine Rolle durch eine Liste vorzuzwählen, benutzen Sie entweder Ihre Fingerspitze oder den auserwählten Vorwahlknopf.

**IMPORTANT!** Improper use or installation can cause LOSS/DAMAGE OF PROPERTY.

**IMPORTANT!** L'utilisation ou l'installation inexacte peut causer LOSS/DAMAGE DE PROPRIÉTÉ.

**IMPORTANT!** Unsachgemäßer Gebrauch oder Installation können LOSS/DAMAGE DES EIGENTUMS verursachen.

**IMPORTANT!** Using this product in a manner other than outlined in this document voids your warranty. Further, Control4 is NOT liable for any damage incurred with the misuse of this product. See "Warranty."

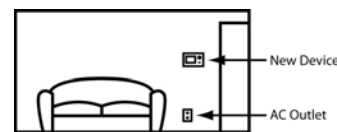
**IMPORTANT!** Utilisant ce produit en quelque sorte autre que décrit dans ce document vide votre garantie. De plus, Control4 n'est pas responsable d'aucun dommage encouru avec l'abus de ce produit. Voyez que « a limité la garantie de 1 an. »

**IMPORTANT!** Unter Verwendung dieses Produktes in gewissem Sinne anders als umrissen in diesem Dokument hebt Ihre Garantie auf. Weiter ist Control4 NICHT für irgendeinen Schaden verantwortlich, der mit dem Missbrauch dieses Produktes genommen wird. Sehen Sie, dass „begrenzte eine 1 Jahr-Garantie.“

## In-Wall Placement and Model Options

**NOTE:** These instructions are for in-wall installations only. For tabletop installations, refer to the documentation that ships with your tabletop kit.

Place the Mini Touch Screen in a convenient location at eye level, typically near the entrance of the room, approximately 57 to 61 inches from the floor.



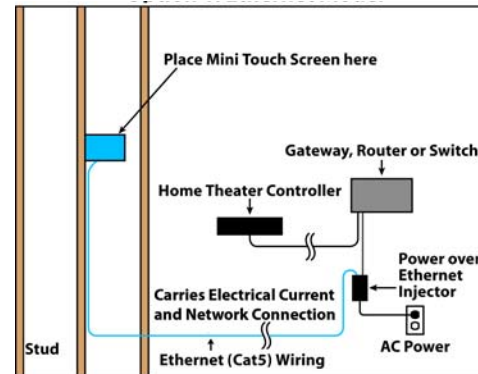
The model used also influences placement. The Mini Touch Screen comes in two (2) models: *Ethernet* and *WiFi*. These options are described in the next two sections.

### Option 1: Ethernet Model

The Ethernet Mini Touch Screen requires a PoE device that injects electrical current into the Ethernet cable in order to provide the Ethernet Mini Touch Screen with both power and a network connection. See Figure 1. The Ethernet Mini Touch Screen works with the Control4 PoE Injector (model # AC-POE1-B) or a third-party PoE injector or switch. If you plan to use a third-party PoE solution or a non-standard connection cable, see "Power Interface Requirements - Ethernet" (next page) for the specifications.

**Ethernet Placement:** Place the PoE Injector near your gateway/router/switch. Pull the Ethernet cable from that location to the location of where you want to place your Mini Touch Screen.

Figure 1. Ethernet Model - Requires Ethernet Wiring to Mini Touch Screen.



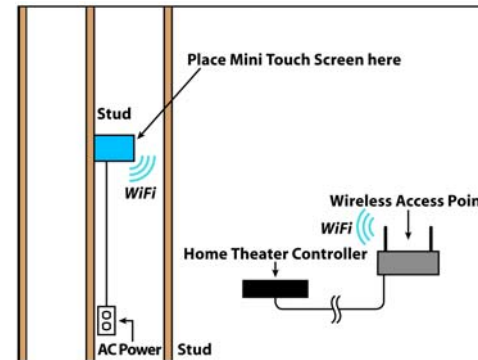
### Option 2: WiFi Model

The WiFi Mini Touch Screen differs from the Ethernet model in two ways:

- It uses a WiFi antenna that communicates via WiFi to a Wireless Access Point (WAP).
- It gets its power from an AC power source close to the Mini Touch Screen. This power connection requires both neutral and hot connections. See Figure 2.

**WiFi Placement:** Place the WiFi model above a power source, such as at an outlet. Ensure you have WiFi in the home.

Figure 2. WiFi Model - Requires AC power to Mini Touch Screen.

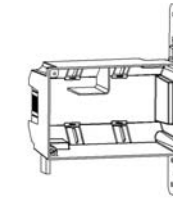


## Wall Box Kit Options

There are four (4) wall box options to install the Mini Touch Screen. Metal and plastic wall boxes are available for new or retrofit versions. The following diagrams (Figures 3 and 4) show the available wall mounting kits.

Figure 3. Mini Touch Screen/LCD Keypad Wall Box Kits - New Construction

Plastic model # AC-NWB3.8-G



Metal model # AC-NWB3.8-M

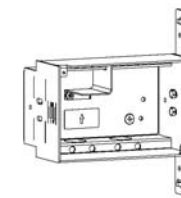
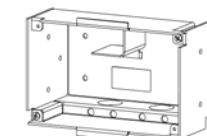


Figure 4. Mini Touch Screen/LCD Keypad Wall Box Kit - Retrofit (includes wall box template)

Plastic model # AC-RWB3.8-G



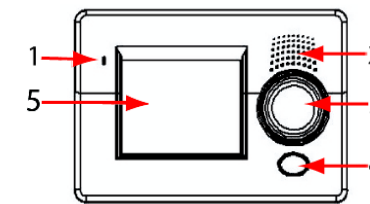
Metal model # AC-RWB3.8-M



## Front and Rear Panel Description

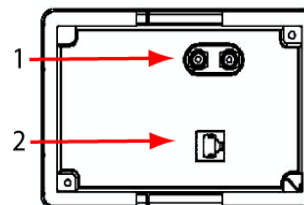
### Front View

- Microphone:** (Future) Microphone for communication features.
- Speaker:** (Future) Speaker for intercom.
- Select Dial:** Use during setup to identify the device to the Control4 system. Once setup is complete, scroll through the displays.
- Shortcut Button:** For custom programming to initiate an action or sequence of actions.
- Display:** 3.8" TFT (3.5" viewing area), Touch-Screen with 320x240 Resolution, QVGA.



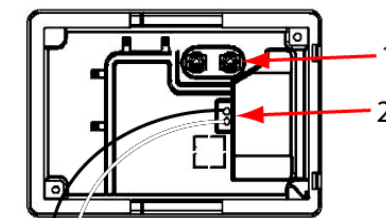
### Back View: Ethernet Models

- RCA audio line-level output:** (Optional) Connect these ports to an amplifier or amplified speakers for audio output using a standard RCA stereo cable.
- RJ-45 port:** For connection to the Ethernet PoE source to power the device and provide network communication.
- Dimension:** Front - 6 1/2" (W) x 4 3/8" (H) x 1/5-2/5" (D)  
In-Wall - 5 7/8" (W) x 3 5/8" (H) x 1 1/2" (D)
- Power Supply:** PoE.



### Back View: Wireless Models

- RCA line-level audio output:** (Optional) Connect these ports to an amplifier or amplified speakers for audio output using a standard RCA stereo cable.
- AC Wires:** Connect the black (hot) and white (neutral) wires from the back of the Mini Touch Screen to the hot and neutral wires from the wall.
- Dimension:** Front - 6 1/2" (W) x 4 3/8" (H) x 1/5-2/5" (D)  
In-Wall - 5 7/8" (W) x 3 5/8" (H) x 1 1/2" (D)
- Power Supply:** AC Power
- Network Support:** WiFi IEEE 802.11b/g



## In-Wall Installation

**WARNING!** For the location where you are installing the Mini Touch Screen, switch off the circuit breaker or remove the fuse from the fuse box.



**IMPORTANT!** Pour l'endroit où vous installez le mini écran tactile, coupez le disjoncteur ou enlevez le fusible de la boîte de fusible.

**IMPORTANT!** Für die Position, in der Sie den Minitouch Screen anbringen, den Stromunterbrecher ausschalten oder die Sicherung vom Sicherungskasten entfernen.

**IMPORTANT!** When cutting the opening for the wall box, DO NOT cut the opening too large. Be conservative and cautiously enlarge it as needed because there is not as much overhang on the faceplate of the Mini Touch Screen as you are accustomed to with standard switch and outlet plates.

**IMPORTANT!** Pour nouveau ou la modification, en coupant l'ouverture pour la boîte de mur, ne coupez pas l'ouverture trop grande. Soyez conservateur et agrandissez-avec précaution la aussi nécessaire parce qu'il n'y a pas autant surplomb sur la plaque avant du mini écran tactile pendant que vous êtes accoutumé à avec les plats standard de commutateur et de sortie.

**IMPORTANT!** Für neues oder Umbau wenn Sie die Öffnung für den Wandkasten schneiden, schneiden Sie NICHT die große Öffnung zu. Seien Sie konservativ und vergrößern Sie sie vorsichtig so erforderlich, weil es nicht wie viel Überhang auf der Frontplatte des Minitouch Screen gibt, während Sie mit Standardschalter- und Anschlussplatten gewöhnt werden.

**IMPORTANT!** Before you can complete the installation instructions for the Mini Touch Screen, you must have a Control4 Mini Touch Screen/LCD Keypad Wall Box installed according to the documentation provided in the wall box kit.

**IMPORTANT!** Avant que vous puissiez accomplir les instructions d'installation pour le mini écran tactile, vous devez avoir une mini boîte de mur de clavier numérique de l'écran tactile Control4 \ affichage à cristaux liquides installée selon la documentation fournie dans le kit de boîte de mur.

**IMPORTANT!** Bevor Sie die Montagevorschriften für den Minitouch Screen abschließen können, müssen Sie einen Minitastatur-Wand-Kasten des Control4 screen-haben \ LCD, der entsprechend den Unterlagen angebracht ist, die in den Wandkasteninstallationssatz bereitgestellt werden.

**1** Prepare wall for installation.

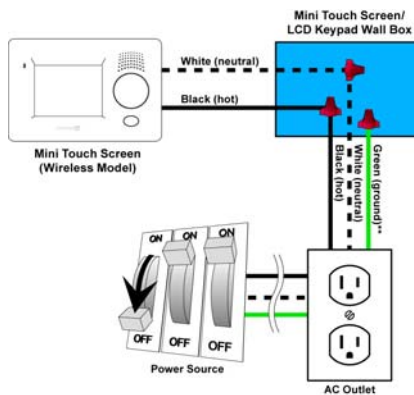
**For Ethernet Model:** Install a PoE injector or switch.

- Connect the Control4 PoE Injector to a power source, such as an AC outlet, using the power cord (provided with the unit). The light comes on when power is applied.
- Connect one of the RJ-45 LAN ports on the gateway/router/switch to the PoE Injector's LAN port using the RJ-45 Ethernet cable. The STAND BY light on the PoE Injector lights up.
- Connect the PoE Injector's PWR LAN-OUT port to the Ethernet Mini Touch Screen using the RJ-45 Ethernet cable in the wall. The Power mode LED changes from orange to green.



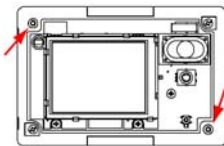
**For Wireless Model:** Connect wires to the AC Power Source for the Wireless Model according to your national and local electrical codes. The steps here denote a typical U.S. installation. Your installation may require alternative wires and the use of a terminal block.

- Connect the black (hot) and white (neutral) wires from the back of the Mini Touch Screen to the hot and neutral wires from the wall.
- Cap the ground wire from the wall if you are using a plastic wall box. If you are using a metal wall box, attach the ground wire to the box at the location designated by the ground or earth symbol.



**2** (Optional) If you intend to send audio to an amplifier or amplified speakers, route a stereo RCA cable from your Mini Touch Screen audio out ports (RCA red and white connectors) to your amplifier or amplified speakers.

**3** With the screws provided, attach the Mini Touch Screen base at the top-left and bottom-right corners of the wall box.



**4** Hook the tabs on the left underside of the faceplate onto the lip of the base on the left-hand side. Close the faceplate over the top of the base from left to right, feeding the Select dial post through the corresponding hole in the faceplate.

**5** Install the washer and nut to hold the faceplate in place.

**IMPORTANT!** Tighten the nut by hand. Do not overtighten. Excessive force will permanently damage the rotary device and void the warranty.

**IMPORTANT!** Serrez l'écrou à la main. Ne trop serrez pas. La force excessive endommagera de manière permanente le dispositif rotatoire et videra la garantie.

**IMPORTANT!** Ziehen Sie die Nuss eigenhändig fest. Ziehen Sie nicht zu fest an. Übermäßige Kraft schädigt dauerhaft die Drehvorrichtung und hebt die Garantie auf.

**6** Install the Select dial on the post.

**7** Calibrate your Touch Screen the first time you use it, or any time the on-screen instruction prompts you to. To do this, use your fingertip to touch the screen firmly and accurately at the point indicated by the crosshairs. Repeat for each of the four (4) subsequent points indicated by the crosshairs

**8** To protect the display screen: (1) Use one of the screen-saver options available from the **Info > Config > Screen Saver** page; (2) Use a plastic (cling-on) screen protector (available where hand-held electronic devices are sold) to help guard against scratches.

**9** (For WiFi Model only) From the WiFi Mini Touch Screen, connect to a wireless access point:

- Press **Info > Wireless > Wireless**. The Wireless configuration screen appears.



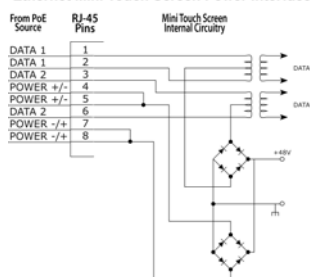
- Press **Add** to add the WiFi Mini Touch Screen as a wireless device.
- Press in the **Network (SSID)** text box to enter the SSID. A virtual keypad displays for you to enter the information.
- Press the **WEP** button, then enter the WEP key in hex in the text box. A virtual keypad displays for you to enter the information. Press **OK** when finished.
- Highlight the **SSID** of the WiFi Mini Touch Screen and press **Enable**.
- Press **OK**.

**10** After your Mini Touch Screen is installed and on the home network, add it to the Control4 System using **Composer**. See the *Composer Pro User Guide* help for information about how to add the Mini Touch Screen and other devices to the Control4 System.

## Power Interface Requirements - Ethernet

**Ethernet Models Only:** If you plan to use any PoE solutions other than the Control4 PoE Injector, such as a third-party injector or PoE switch, refer to the *Ethernet Mini Touch Power Interface* diagram to determine how to create a PoE solution and cabling to meet the power and connection requirements for the Mini Touch Screen.

Ethernet Mini Touch Screen Power Interface



## Troubleshooting

If you experience operational problems with the Control4 Mini Touch Screen, check the following list for system troubleshooting. If problems persist, contact your Control4 Dealer or Reseller for technical support.

**Question: What if the on-screen display that reads "Welcome to Navigator" won't go away?**

**Answer:** If screen also has text that reads "Touch the crosshairs firmly..." then you need to calibrate the device as described in the installation instructions.

**Question: What if my Mini Touch Screen locks up or runs slowly?**

**Answer:** Try rebooting by holding down the Select dial for ten (10) seconds. Reset the system by cutting and restoring power: for Ethernet model, disconnect and reconnect the PoE connector at the network gateway, router or switch.

**Question: What if my Mini Touch Screen is damaged?**

**Answer:** Contact your Control4 Reseller.

**Question: What if I have network connection problems?**

**Answer:** Make sure the network cable connectors are firmly locked into the network jack.

**Question: What if my Mini Touch Screen is unresponsive to touch?**

**Answer 1:** The nut under the Select dial may be too tight. This can cause the faceplate to press against the overlay causing a false "press and hold" and renders the touch overlay inoperable. To fix this, loosen the nut until proper operation is restored.

**Answer 2:** The Mini Touch Screen may need to be recalibrated. Call your Control4 Reseller or Dealer for Technical Support information on this procedure.

## Regulatory Compliance

This product complies with standards described in this section that were established by North America, Canada, and Australia/New Zealand regulatory bodies.

### FCC Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### FCC Caution

**IMPORTANT!** Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**IMPORTANT!** Tous les changements ou modifications pas expressément approuvés par la partie responsable de la conformité ont pu vider l'utilisateur ; autorité de s pour actionner l'équipement.

**IMPORTANT!** Alle mögliche Änderungen oder Änderungen nicht ausdrücklich genehmigt von der Partei, die für Befolgung verantwortlich ist, konnten das user' aufheben; s-Berechtigung, zum der Ausrüstung zu betreiben.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### Industry Canada Statement

This Class B digital apparatus complies with Canada ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

### Australian/New Zealand Compliance

This product has been tested to the requirements of, and shown to be in compliance with, the following requisite standards:

- AS/NZS60950-1: 2003

## Recycling

For information on recycling, please go to [www.control4.com/recycling](http://www.control4.com/recycling)



## Warranty

Limited 2-year Warranty. Refer to <http://www.control4.com/warranty>.

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Part Number: 200-00010 Rev G 3/11/2010

