Control4®

7" TABLE TOP TOUCH SCREEN Installation Guide

Model

- C4-TST7-EG-B (7" Tabletop Touch Screen, WiFi and Ethernet)

What's in the Box

Carefully unpack the 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 Control4-authorized reseller immediately.

- 7" Tabletop Touch Screen (C4-TST7-EG-B)
- AC power cord and power adapter
- 7" Tabletop Touch Screen Installation Guide (this document)

Accessories

- Control4 Power Over Ethernet Injector (AC-POE1-B)

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Install in accordance with the manufacturer's instructions.
8. Install in accordance with all national and local electrical codes.
9. This product is also designed for IT power systems with phase-to-phase voltage 120V or 240V.
10. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
11. Only use attachments/accessories specified by the manufacturer.
12. If applicable, unplug this apparatus during lightning storms or when unused for long periods of time.
13. 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 touch screen must be protected by an external circuit breaker or a fuse rated at 6A maximum when used in Europe.

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

Warnung! Die Berührungseingabe muß durch einen externen Circuit breaker oder eine Sicherung geschützt werden, die am Maximum 6A veranschlagen wird, wenn sie in Europa verwendet wird.

⚠ **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 die Gefahr 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 Control4-authorized 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 körperlichen Schaden zu vermeiden, treten Sie immer mit einem Control4-authorized Reseller 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 Exposés, um Tageslicht während eines ausgedehnten Zeitabschnitts zu verweisen.

⚠ **Warning!** Do not stare at the light or proximity sensor. Looking at these sensors for extended periods of time may cause damage to the eyes.

Avertissement! Ne regardez pas fixement la lumière ou le capteur de proximité. Regarder ces sondes pendant des périodes prolongées peut endommager les yeux.

Warnung! Starren Sie nicht entlang des Lichtes oder des Annäherungssensors an. Das Betrachten dieser Sensoren nach ausgedehnten Zeitabschnitten kann Beschädigung der Augen verursachen.

✎ **Important!** Do not use pens or sharp objects to navigate or make selections on the screen. To select an item or scroll through a list, use your fingertip.

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, employez votre bout du doigt.

Wichtig! Benutzen Sie nicht Federn oder scharfe Gegenstände, um oder Vorwähleren auf dem Schirm zu bilden zu steuern. Um ein Einzelteil oder eine Rolle durch eine Liste vorzuwählen, benutzen Sie Ihre Fingerspitze.

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

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

Wichtig! Unsachgemäßer Gebrauch oder Installation können LOSS/DAMAGE DER EIGENSCHAFT 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 "Limited 2 Year 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 « Limited 2 Year Warranty. »

Wichtig! Das Verwenden dieses Produktes in gewissem Sinne anders als umrissen in diesem Dokument hebt Ihre Garantie auf. Weiter ist Control4 NICHT für irgendeine Beschädigung verantwortlich, die mit der Fehlanwendung dieses Produktes genommen wird. Sehen Sie, daß "Limited 2 Year Warranty".

Requirements

To install the touch screen, you need the following:

- Control4 controller, fully installed and configured.
- (Optional) An amplifier or amplified speakers.
- (Optional) Any RCA cables required to connect the touch screen and the amplifier or amplified speakers.
- For an Ethernet installation that uses POE Power:
  - Ethernet network installed and available that includes a gateway/router/switch
  - Access to the Control4 PoE Injector (model #AC-POE1-B) or an 802.3af compatible PoE Ethernet switch.
  - Two Ethernet CAT 5 cables: (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 7" touch screen.
- For an Ethernet installation that uses AC Power:
  - Ethernet network installed and available that includes a gateway/router/switch

- Access to a power outlet.
- One Ethernet CAT 5 cable to run from the Ethernet gateway/router/switch to the 7" touch screen.
- For a WiFi installation:
  - Wireless network (WiFi 802.11b/g) installed and available that includes a wireless access point (WAP).
  - Access to a power outlet.
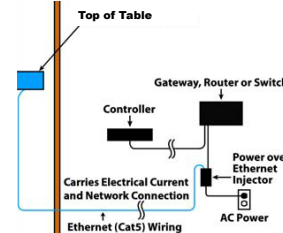
Placement, Network Connection, and Power Options

The 7" TabletopTouch Screen is equipped with the touch screen, four programmable shortcut buttons, a light sensor, and a proximity sensor.

Place the touch screen on a table or level surface in a convenient location.

This device can use either an Ethernet or WiFi network connection. An Ethernet installation can be powered by Power over Ethernet (PoE) or an AC connection. A WiFi installation must use an AC power connection.

NOTE: Do not attempt to use PoE and AC at the same time.

Option 1: Ethernet Connection with PoE

PoE injects electrical current into the Ethernet cable using a PoE injector in order to provide the touch screen with both power and a network connection. To set up your PoE and Ethernet connection, see Figure 1. The touch screen works with the Control4 Power Over Ethernet Injector (model # AC-POE1-B).

FIGURE 1. Ethernet - Requires connection to PoE injector.
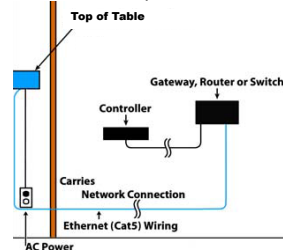

Place the PoE Injector near your gateway/router/switch. Pull the Ethernet cable from that location to the location of where you want to place your touch screen.

Option 2: Ethernet Connection with AC

No PoE injector is needed for Ethernet with AC power; the Ethernet is connected directly to the switch. This power connection requires both neutral and hot connections. See Figure 2.

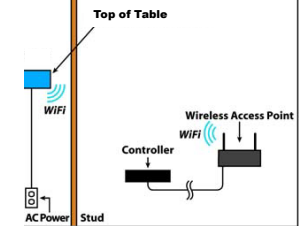**FIGURE 2.** Ethernet - Requires connection to Ethernet and AC power

Option 3: WiFi Connection with AC

When using WiFi, the touch screen gets its power from an AC power source nearby. This power connection requires both neutral and hot connections. See Figure 3.
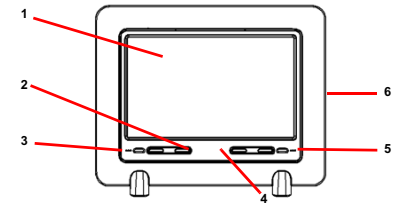
Place the touch screen above a power source, such as at an outlet. Ensure you have WiFi in the home.
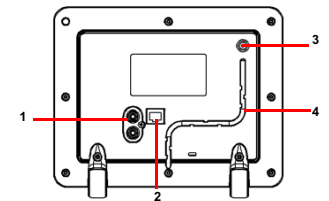
FIGURE 3. WiFi - Requires AC power and WAP.

Front and Rear Panel Description

Front View

1. **Display:** 7" viewing area, Touch-Screen with 800 x 480 resolution TFT
2. **Shortcut buttons (4):** For custom programming to initiate an action or sequence of actions
3. **Proximity sensor:** Laser sensor that detects movement within two feet of the touch screen and turns off screen saver
4. **Reset button:** Button located under the bezel to reset touch screen.
5. **Light sensor:** Detects light levels in room for programming purposes
6. **Front Dimensions** (H x W x D): 6.95" x 8.37" x 4"

Back View

1. **RCA audio line-level output:** (Optional) Audio ports available for an amplifier or amplified speakers for audio output using a standard RCA stereo cable
2. **RG-45 port:** Ethernet port available for either a standard Ethernet source that provides network communication only OR a PoE source (IEEE802.3af PoE) that provides power to the device and network communication
3. **AC power port:** 9-12 VDC jack
4. **AC power cord recess**
5. **Network Support:** Ethernet or WiFi IEEE 802.11 b/g

Installation

1 Establish power and network connections as needed for this installation.

For Power Over Ethernet (POE):
Install a PoE injector or switch. To do this:

a. 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.

b. 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.

c. Connect the PoE Injector's PWR LAN-OUT port to the touch screen using the RJ-45 ethernet cable in the wall. The Power mode LED will change from orange to green.

For AC Power:
Connect to a power supply. To do this:

a. Connect the AC power cord to the power adapter provided.

b. Plug the power cord's L-shaped connector into the back of the touch screen, then feed the power cord through the recess provided on the back of the touch screen.

c. Plug the power cord's plug into a power outlet

For Network Communication:

- **POE:** The Ethernet network connection is provided by the POE injector. No additional wiring is needed.
- **Standard Ethernet Connection:** Connect the 7" Touch Screen to one of the RJ-45 LAN ports on the gateway/router using the RJ-45 ethernet cable.
- **WiFi Connection:** The internal WiFi antenna will communicate with the local area network's wireless access point (WAP). If the local area network has a WAP set up, no additional wiring is needed.

2 (Optional) If you intend to send audio to an amplifier or amplified speakers, route a stereo RCA cable from your 7" Tabletop Touch Screen audio out ports (RCA red and white connectors) to your amplifier or amplified speakers.

3 Calibrate your 7" 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 subsequent points indicated by the crosshairs.

4 (For WiFi only) Connect to a wireless access point:

a. Select Info > Network > Wireless. The Wireless configuration screen appears.

b. Press Add.

c. Press in the Network (SSID) text box to enter the SSID. A virtual keypad displays for you to enter the information.

d. Select the WEP or WPA button, then press in the text box provided to display a virtual keypad. Use the virtual keypad to enter the WEP key in hex format or to enter the WPA text.

e. Choose the WEP key length from the drop-down list.

f. Press OK.

5 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.

6 Now that your touch screen is physically installed and appearing on the home network, you can add it to the Control4 System using the Composer software (available for your PC). See Composer Help for information on how to add the touch screen and other devices to the Control4 System.

Limited 2 Year Warranty

Control4 Corporation ("Control4") warrants that at the time of first-consumer sale, this product will be free from defects in material and manufacture. Control4 further warrants that for a period of 2 years (24 months) after initial consumer sale, the product will function in accordance with its specification, provided that it is installed and maintained under normal and proper use. This warranty extends only to products purchased directly from Control4 or an Authorized Control4 Reseller. If the product proves to be defective in material or workmanship during the warranty period, it may be returned to the place of purchase and Control4 will, at its sole option, repair or replace the product with a like product. This warranty provides the consumer purchaser with specific legal rights, which may vary per state or country. For complete warranty information, including details on consumer legal rights as well as warranty exclusions, visit www.control4.com/warranty.

Regulatory Compliance

This product complies with standards described in this section.

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

FCC RF Radiation Exposure Statement:

1.This transmitter must not
be co-located or opeating in conjunction with any other antenna or transmitter.
2.This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

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 RF Exposure Statement

- This Transmitter must not be co-located or operating in conjunctions with any other antenna or transmitter.
- This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

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'user' ; autorité de s pour actionner l'équipement.

Wichtig! Alle mögliche änderungen oder änderungen nicht ausdrücklich genehmigt von der Partei, die für Befolgung verantwortlich ist, konnten die Berechtigung des Benutzers aufheben, um die Ausrüstung laufen zu lassen.

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.

Edison Testing Laboratory (ETL)

This product has been tested to the requirements of, and shown to be in compliance with, the following requisite standards: US and Canada 60950. Safety of Information Technology Equipment.

European Compliance

CE Declaration of Conformity

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European Contact Information

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Tel (801) 523-3100

Product: 7" Tabletop Touch Screen
Model: C4-TST7-EG-B

The undersigned hereby declares, on behalf of Control4 Corporation, that the above-referenced product, to which this declaration relates, is in conformity with the provisions of:

- Council Directive 89/336/EEC (May 3, 1989) on Electromagnetic Compatibility
- Council Directive 1999/5/EC (Mar 9, 1999) on Radio & Telecommunication Terminal Equipment (R&TTE)
- Council Directive 73/23/EEC (Feb. 19, 1973) on Low Voltage Equipment Safety
- Council Directive 93/68/EEC (Jul. 22, 1993) Amending Directives 89/336/EEC and 73/23/EEC

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

- EN 301 489-1 V1.4.1 - Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services- Part 1 Common technical requirements.
- EN 301 489-17 V1.2.1 - Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for 2.4 GHz wideband transmission systems and 5 GHz high performance RLAN equipment.
- EN 300 328-V1.4.1 (2003-04) - Wide band transmission systems; data transmission equipment operating in the 2.4GHz ISM band. Harmonised EN covering essential requirements under Article 3(2) of the R & TTE Directive.
- EN 60950-1: 2001. Safety of Information Technology Equipment
- IEC60950-1: First Edition 2001 Including CB Scheme Group & National Differences as detailed in CB Bulletin 107A May 2004.

The Technical Construction File required by these Directives is maintained at the corporate headquarters of Control4, Salt Lake City, Utah, U.S.A.

Signed,

Brett Molen—Vice President, Engineering, _____ 2008

Norsk: Apparatet må tilkoples jordet stikkontakt.
Suomi: Laite on liitettävä suojamaadoituskoskettimila varustettuun pistorasiaan.
Svensk: Apparaten skall anslutas till jordat uttag.
Dansk: Vigtigt! Lederen med grøn/gul isolation må kun tilsluttes en klemme mærket ⏚ eller ⏚

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/NZS 4368: 2003

Recycling

For information on recycling, please go to www.control4.com/recycling

About this Document

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