

# T3 Series Tabletop Touch Screens

## Installation Guide



### Supported models

- C4-TT7-1-xx 7" Tabletop Touch Screen (black, white, or red)
- C4-TT10-xx 10" Tabletop Touch Screen (black or white)

### Introduction

The Control4® T3 Series Tabletop Touch Screens offer complete system control in an elegant, compact, and portable design. The touch screens are equipped with a full capacitive screen, audio and video Intercom (with the built-in camera) using SIP, and more.

This touch screen can be located anywhere, and the convenient recharging station enables it to be used as either a tabletop or portable interface. Choose from four installation options:

- **Option 1: PoE data and power.** Ethernet network connection and power are provided through a PoE injector. No additional wiring is needed.
- **Option 2: Ethernet data and AC power.** Ethernet network connection is provided through an Ethernet cable, and power is provided through the AC power adapter.
- **Option 3: WiFi data and AC power.** WiFi is used as the network connection, and power is provided through the AC power adapter.
- **Option 4: WiFi data and PoE power.** WiFi is used as the network connection, and power is provided through a PoE injector.



**Note:** 802.11b is not recommended for Video Intercom. We recommend using Wireless-N. See "Specifications" and "Power and Network Installation Options" for more information.

### Box contents

- Tabletop Touch Screen
- Recharging station

### Accessories available for purchase

- Control4 PoE Injector, sold separately (AC-POE1-B).

### Warnings



**Warning!** This product must be grounded in accordance with the National Electrical Code (NEC) requirements.

**Avertissement !** Ce produit doit être fondé selon les conditions électriques nationales de code (NEC).



**Caution!** Do not place the touch screen near sources of heat or expose to direct sunlight for an extended time.

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



**Caution!** This product generates heat. The room must have adequate ventilation or the ability to dissipate heat effectively.

**Avertissement !** Ce produit produit de la chaleur. La salle doit avoir à ventilation proportionnée ou la capacité d'absorber la chaleur efficacement.



**Caution!** Use this product only in dry locations.

**Avertissement !** Employez ce produit seulement dans des endroits secs.



**Caution!** This product is for residential use only.

**Avertissement !** Ce produit est pour à l'usage résidentiel ou commercial seulement.



**Caution!** 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 your fingertip.

**Avertissement !** 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.



**Caution!** Improper use or installation can cause DAMAGE OF PROPERTY.

**Avertissement !** L'utilisation ou l'installation inexacte peut causer DAMAGE DE PROPRIÉTÉ.



**Caution!** Do not use shielded Ethernet cable. Doing so will void the warranty.

**Attention !** Ne pas utiliser de câble Ethernet blindé . Cela annulera la garantie.



**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."

## Specifications and requirements

### Specifications

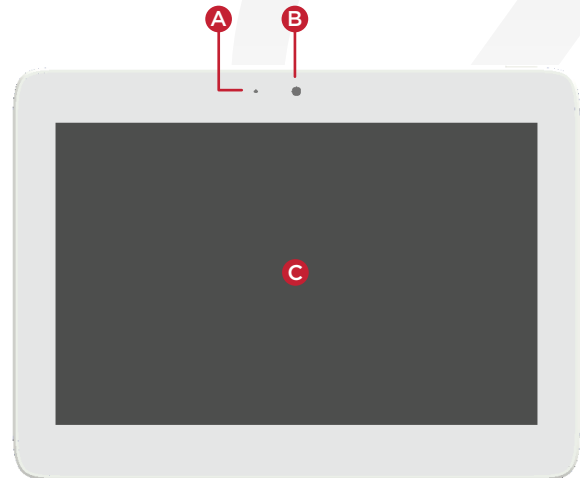
<b>Model Numbers</b>	C4-TT7-1-BL, C4-TT7-1-WH, C4-TT10-BL, C4-TT10-WH
<b>Screen</b>	Resolution: 1280 × 800, capacitive touch Camera: 720p
<b>Network</b>	Ethernet or WiFi (802.11g/n [2.4 GHz]) Security: WEP, WPA/WPA2 PSK, 802.1x EAP, PEAP  Notes: (1) While technically the touch screen can use 802.11b, 802.11b is not supported. (2) 802.11n is recommended for best performance. Even with 802.11n, broadcasting to several devices will degrade Video Intercom response time and images. Broadcasting to additional devices will further degrade performance. See "Wireless Network Limitations."
<b>Power supply</b>	PoE (IEEE 802.3af) 13W peak; 44-57VDC; 10W @ 44VDC = 0.22A 100-240VAC, 50/60 Hz International power supply adapters included
<b>Operating temperature</b>	32 - 104 °F (0° - 40°C)
<b>Storage temperature</b>	4 - 158 °F (-20° - 70°C)
<b>Charging station connections</b>	RJ-45 (PoE, Ethernet) 5VDC power
<b>Dimensions (W×H×D)</b>	7" Touch screen: 7.0 × 5.1 × 0.75" (178 × 130 × 19 mm) 7" Charging station: 4.17 × 3.11 × 2.21" (106 × 79 × 56 mm) 10" touch screen: 9.65 × 6.77 × 0.91" (245 × 172 × 23 mm) 10" dock: 4.53 × 4.02 × 2.60" (115 × 102 × 66 mm)
<b>Weight</b>	7" Touch screen: 0.7 lbs. (0.32 kg) 7" charging station: 0.8 lbs. (0.36 kg) 10" Touch screen: 1.35 lbs. (0.60 kg) 10" charging station: 1.05 lbs. (0.46 kg)

### Requirements

- A controller fully installed and configured with Control4 OS 2.7.2 or later. For the 10" model, Control4 OS 2.8.0 or later is recommended.
- If using Ethernet data:
  - Ethernet network installed and available that includes a gateway/router/switch.
  - One Ethernet cable that runs from the Ethernet gateway/router/switch to the touch screen
- If using WiFi data:
  - Wireless network (WiFi 802.11b/g/n) installed and available with a wireless access point (WAP). Security can be WEP, WPA/WPA2 PSK, 801.1x EAP, PEAP.
- If using PoE power:
  - Control4 PoE Injector (model #AC-POE1-B) or another third-party PoE Injector or switch (UL/ANSI certified).
  - Two Ethernet CAT5/6 cables: (1) one that runs from the Ethernet gateway/router/switch to the PoE Injector/switch and (2) one that runs from the PoE injector/switch to the Ethernet connection in the touch screen's wall box.
- If using AC power:
  - Access to AC power outlet (AC power adapter included)
  - Wireless network (WiFi 802.11b/g/n) installed and available with a wireless access point (WAP). Security can be WEP, WPA/WPA2 PSK, 801.1x EAP, PEAP.
  - Access to AC power outlet (AC power adapter included)

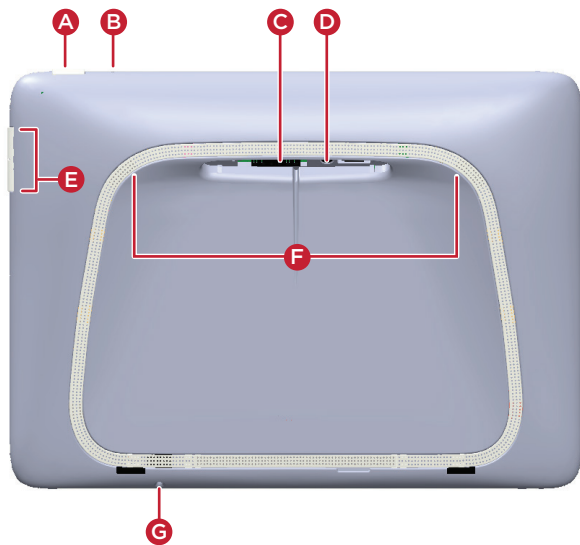
### Views

#### Front



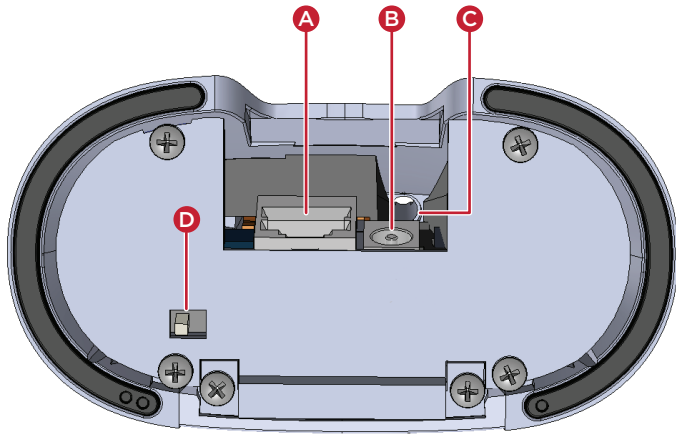
- A** Camera LED
- B** Camera
- C** 7" diagonal, capacitive 1280 × 800 display

#### Back



- A** Power button. Press and release to toggle screen on/off, press and hold to reboot (if attached to charging station) or turn off (if detached from charging station)
- B** Reset button (recessed). Use a straightened paper clip to press and release to reboot (if attached to charging station) or turn off (if detached from charging station)
- C** Docking connector
- D** Screw hole for permanently mounting charging station
- E** Volume buttons
- F** Stereo speakers
- G** Microphone


## Charging station bottom



- A** Ethernet/PoE connector
- B** 5VDC power connector
- C** Screw hole for permanently attaching station to screen
- D** Control4 logo LED switch—Controls the LED on the front of the charging station.

## Touch screen placement


Place the touch screen's charging station on any level surface.

 **Note:** Consider the angle of the touch screen's camera and the sitting or standing position of the people who will use it while it's on the charging station.

## Power and network installation options

This device uses an Ethernet or WiFi network connection, and can be powered using PoE or the AC power adapter.


Choose one of the following options to install the power and network communication.

 **Caution!** Do not attempt to use PoE and AC power at the same time. Choose only one power option.

**Attention !** Ne pas tenter d'utiliser PoE et AC en même temps. Choisir une seule option d'alimentation.

### Option 1: Ethernet data with PoE power

A PoE injector supplies power and a network connection on the Ethernet cable.


 **Note:** This installation is for a tabletop mount only, and not for portable use. Removing the touch screen from the charging station will disconnect the network.

#### To set up your PoE and Ethernet connection with a PoE injector:

- 1 Attach the PoE Injector according to the instructions in your PoE's installation guide. See "Connecting PoE" below.
- 2 Pull the Ethernet cable from that location to the touch screen's charging station, then connect it to the charging station.
- 3 For mounting, see "Tabletop-only" under "Mounting options" below.

### Option 2: Ethernet data with AC power

The Ethernet cable connects directly to the network switch. The charging station must have access to an AC power outlet.

 **Note:** This installation is for a tabletop mount only, and not for portable use. Removing the touch screen from the charging station will disconnect the network.

#### To set up your Ethernet connection with AC power:


- 1 Place the screen's charging station near a power outlet.
- 2 Connect an Ethernet cable to the charging station and the network switch.
- 3 Connect the AC power adapter to a power outlet and the charging station.
- 4 For mounting, see "Tabletop-only" under "Mounting options" below.

### Option 3: WiFi data with AC power

The data connection uses WiFi, so the touch screen can be positioned anywhere in the home with a strong WiFi signal. The charging station must have access to an AC power outlet.

#### To set up your WiFi connection and AC power:

- 1 Make sure you have WiFi working in the home, and place the screen's charging station near a power outlet.
- 2 Connect the AC power adapter to a power outlet and the charging station.
- 3 For mounting, see "Portable" under "Mounting options" below.
- 4 See "Configure the touch screen for wireless" below.

 **Notes:** (1) Video Intercom. Although this device supports 802.11b/g/n, 802.11 b is not recommended for Video Intercom use. (2) We recommend Wireless-N for best performance.

**Wireless Network Limitations:** Many WiFi access points handle Multicasts (WiFi simultaneously sent to multiple devices, for example, when the touch screen broadcasts video to all stations) by slowing down transmission speed to the 1 Mb basic rate. This can cause overall WiFi congestion in the WiFi network during the broadcast. Video Intercom response times and images may degrade at each device.

If a home requires a large number of WiFi Video Intercom devices, ensure that you have a robust WiFi network (possibly consisting of multiple access points).

### Option 4: WiFi data with PoE power

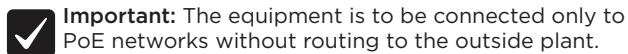
The data connection uses WiFi, so the touch screen can be positioned anywhere in the home with a strong WiFi signal. The charging station must have access to a PoE cable.

#### To set up your WiFi connection with PoE power:

- 1 Attach the PoE Injector according to the instructions in your PoE's installation guide. See "Connecting PoE" below.
- 2 Make sure you have WiFi working in the home, and place the screen's charging station near a power outlet.
- 3 For mounting, see "Portable" under "Mounting options" below.
- 4 See "Configure the touch screen for wireless" below.

## Connecting PoE

Connect the PoE injector to power and the network, and then connect it to the screen's charging station. These instructions are for the Control4 PoE Injector (AC-POE1-B).



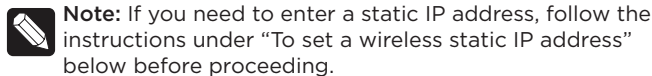
### To install a Control4 PoE injector:

- 1 Connect the Control4 PoE injector to an AC outlet using the power cord.
- 2 Connect one of the RJ-45 LAN ports on the gateway/router/switch to the PoE Injector's **LAN** port using CAT5/6 Ethernet cable.
- 3 Connect the PoE Injector's **PWR LAN-OUT** port to the RJ-45 Ethernet cable that will be connected to the touch screen's charging station.
- 4 Connect the PoE Ethernet cable to the charging station.

## Configure the touch screen for wireless (optional)

### To configure the touch screen for wireless:

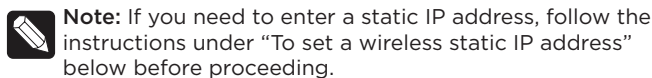
- 1 After initialization, tap **Network**. The network configuration page opens.
- 2 Under *Wi-Fi*, tap or slide **OFF/ON** to enable WiFi, then tap the **Wi-Fi** field to open a list of available networks.
- 3 Tap the network name you want to connect to.
- 4 Tap the **Password** field, then use the on-screen keyboard to type the password (if required).



- 5 Tap **Connect**.

### If you don't see the network you want:

- 1 Tap **+**, then tap the **Network SSID** field and type the SSID (name) of the network by using the on-screen keyboard.
- 2 Tap the **Security** field, then select the type of security to use.
- 3 Tap the **Password** field, then use the on-screen keyboard to type the password (if required).



- 4 Tap **Save**. The new network is added to the bottom of the network list.

### To set a wireless static IP address:

- 1 Scroll down and tap **Show advanced options**.
- 2 Tap **IP settings**, then tap **Static**.
- 3 Select each box one at a time and use the on-screen keyboard to type the:
  - **IP address**
  - **Gateway**
  - **Network prefix length**
  - **DNS 1** (preferred)

- **DNS 2** (alternate)

## Configure the touch screen for Ethernet

If you want to use DHCP (default) for your Ethernet connection, no further setup is required.

### To configure a static IP address for Ethernet:

- 1 After initialization, tap **Network**. The network configuration page opens.
- 2 Tap **Ethernet**. The Ethernet settings screen opens.
- 3 Tap **Static IP Settings**, then tap **Use static IP**.
- 4 Select each box one at a time and use the on-screen keyboard to type the **IP Address**, **Gateway**, **Netmask**, **DNS 1** (preferred), and **DNS 2** (alternate).
- 5 Tap **SAVE** when finished.

## Add and configure in Composer Pro

After the touch screen is installed and appears on the home network, use Composer Pro to add it to the Control4 system and configure it.

Use the Composer Pro *System Design* and *Connections* views to add and configure this device.

### To add and configure a T3 touch screen to a project:

- 1 Add the **T3 Tabletop Touch Screen** driver to your project.
- 2 Identify the device to the project, select the touch screen in Composer Pro's **Connections > Network** view, click **Identify**, then tap **Identify** on the touch screen.
- 3 To configure the properties, select the touch screen in the **System Design** view, then view and change the properties in the *Properties* pane as needed.

Properties include:

- **Network Connection**—Reports the touch screen's current network connection type.
- **Back Light**—Click the arrows or type numbers to set the light level, then click **Set**.

Advanced properties include:

- **Enable Camera**—Allows you to enable or disable the camera.

Intercom (nested under the touch screen) properties:

- **Appearance**—Select to hide the touch screen from appearing in Navigators as an available device.
- **Behavior**—Select the modes you want this touch screen to support.
- **Audio Control**—Select the volume of individual audio settings.
- **Sip Information**—Information for integrating the touch screen into your SIP/VoIP system.
- **Custom Buttons**—Select to enable and label the two available custom buttons.
- **Alternate Camera**—Select to use an external camera for the video associated with the touch screen, for example, a security camera mounted to the side of the entrance and pointing at the door.

## Mounting options

Place the charging station on any level surface. Consider the angle of the touch screen's camera and the position of the people who will use it while it's on the charging station.

### Portable

You can set the touch screen onto the charging station for recharging and tabletop use, and lift the screen from the charging station for portable use. For this option, make sure the data connection is WiFi (see "Power and network installation options" above).

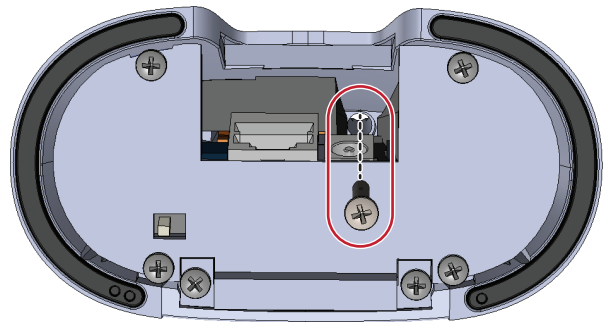
### Tabletop only

For security purposes, you can permanently attach the charging station to the touch screen. For this option, we recommend using Ethernet or PoE for the data connection.

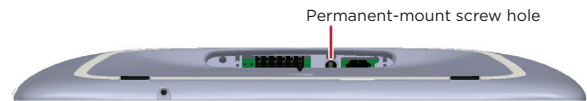
Use of the screw in the 10" is not recommended without the use of the mounting bracket (coming soon).

### To permanently attach the charging station:

- 1 Disconnect any cables from the charging station.
- 2 While holding the charging station upside-down, insert the mounting screw (included) through the mounting base and up through the mounting hole in the top.



- 3 Align the screw with the screw hole in the back of the touch screen, then tighten to secure it in place.





## Troubleshooting

### To power cycle the touch screen:

- 1 Press and hold the ⏻ (power) button for several seconds until the touch screen turns off.
- 2 Press and release the ⏻ (power) button again to turn on.

### To perform a factory data reset:

- 1 On the touch screen's main screen, tap **Settings, System Info**, then **Factory data reset**.

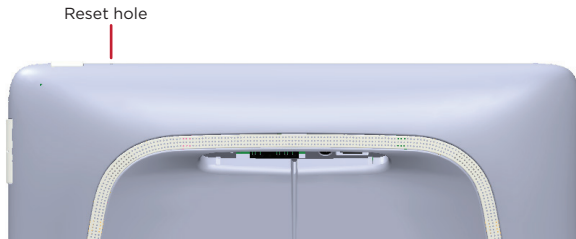
- OR -

If the touch screen has not yet been configured, tap **About**, then **Factory data reset**.

- OR -

To reset without using the display screen:

- a Dock the touch screen onto its charging station.
- b Press and hold the volume up button while using a straightened paper clip to press and release the reset button.



- c Keep holding down the volume up button until the icon below appears on the screen, then release the button.



- d A message appears, indicating that data is being erased.

## Additional resources

The following resources are available for more support.

- Control4 Knowledgebase and forums
- Control4 Technical Support
- Control4 website: [www.control4.com](http://www.control4.com)
- Composer documentation available at [ctrl4.co/docs](http://ctrl4.co/docs).

For the latest version of this document, open this URL or scan the QR code on a device that can view PDFs.



## Regulatory/Safety Information

To review regulatory information for your particular Control4 products, see the information located on the Control4 website at [ctrl4.co/reg](http://ctrl4.co/reg).

## Patent information

Applicable patents are available at [ctrl4.co/patents](http://ctrl4.co/patents).

## Warranty

Visit [ctrl4.co/warranty](http://ctrl4.co/warranty) for details.



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