Disclaimer

Control4® makes no representations or warranties with respect to this publication, and specifically disclaims any express or implied warranties of merchantability or fitness for any particular purpose. Control4 reserves the right to make changes to any and all parts of this publication at any time, without any obligation to notify any person or entity of such changes.

Trademarks

Control4 and the Control4 logo are registered trademarks of Control4 Corporation. Other product and company names mentioned in this document may be the trademarks or registered trademarks of their respective owners.

Legal Notice

Fraunhofer IIS and Thomson. MPEG Layer-3 audio coding technology license from Fraunhofer IIS and Thomson. Supply of this product does not convey a license nor imply any right to distribute content created with this product in revenue-generating broadcast systems (terrestrial, satellite, cable, and/or other distribution channels), streaming applications (via Internet, intranets, and/or other networks), other content distribution systems (pay-audio or audio-on-demand applications, and the like) or on physical media (compact discs, digital versatile discs, semiconductor chips, hard drives, memory cards, and the like).

Decisionmark is the service provider of analog and digital TV off-air cable and satellite channel list.

Radio Locator is the service provider of AM/FM channel list.

© 2005-2007 All Media Guide, LLC provides music and video recognition technology that provides cover art and related text that enriches the Control4 user interfaces.

Copyright

Copyright © 2005-2007 Control4. All rights reserved. No part of this publication may be reproduced, photocopied, stored on a retrieval system, or transmitted without the express written consent of the publisher.

Contact Information

Control4 Corporation
11734 S. Election Road
Salt Lake City, UT 84020 USA
http://www.control4.com

Wireless Touch Screen—10.5” Setup Guide
Part Number: 200-00045 Rev A
Hardware Model Number: C4-TSM10-G-B (Battery: C4-BAT 10.52-B)
# Contents

<table>
<thead>
<tr>
<th>Preface</th>
<th>About This Guide ........................................... 1</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Graphical Symbols in this Guide .................. 1</td>
</tr>
<tr>
<td></td>
<td>Additional Resources .................................. 1</td>
</tr>
<tr>
<td>Chapter 1</td>
<td>Introducing Wireless Touch Screen .................... 3</td>
</tr>
<tr>
<td></td>
<td>Safety Instructions .................................. 3</td>
</tr>
<tr>
<td></td>
<td>Role in a Control4 System ............................ 4</td>
</tr>
<tr>
<td></td>
<td>What’s in the Box .................................... 6</td>
</tr>
<tr>
<td></td>
<td>Accessories Available ............................... 6</td>
</tr>
<tr>
<td></td>
<td>About the Wireless Touch Screen ................... 7</td>
</tr>
<tr>
<td></td>
<td>Specifications ....................................... 7</td>
</tr>
<tr>
<td></td>
<td>Front View ........................................... 9</td>
</tr>
<tr>
<td></td>
<td>Top View ............................................. 10</td>
</tr>
<tr>
<td></td>
<td>Left and Right Views ................................ 11</td>
</tr>
<tr>
<td></td>
<td>Back View ............................................ 12</td>
</tr>
<tr>
<td></td>
<td>Modes .................................................. 13</td>
</tr>
<tr>
<td>Chapter 2</td>
<td>Setting Up Wireless Touch Screen .................... 15</td>
</tr>
<tr>
<td></td>
<td>Requirements ......................................... 15</td>
</tr>
<tr>
<td></td>
<td>Install Battery Components .......................... 16</td>
</tr>
<tr>
<td></td>
<td>Connect to Power Supply ............................. 18</td>
</tr>
<tr>
<td></td>
<td>Calibrate the Touch Screen .......................... 19</td>
</tr>
<tr>
<td></td>
<td>Set Network Settings ................................ 19</td>
</tr>
<tr>
<td></td>
<td>Add and Configure in Composer ...................... 23</td>
</tr>
<tr>
<td></td>
<td>Connect to a Control4 Director ...................... 25</td>
</tr>
<tr>
<td>Chapter 3</td>
<td>Maintaining and Storing Hardware .................... 27</td>
</tr>
<tr>
<td></td>
<td>Restrictions .......................................... 27</td>
</tr>
<tr>
<td></td>
<td>Troubleshooting ...................................... 27</td>
</tr>
<tr>
<td></td>
<td>Support and Service .................................. 29</td>
</tr>
<tr>
<td></td>
<td>Battery Storage Management .......................... 30</td>
</tr>
<tr>
<td></td>
<td>Battery Pack Operating Instruction ................ 31</td>
</tr>
<tr>
<td></td>
<td>Battery Charging .................................... 31</td>
</tr>
</tbody>
</table>
About This Guide

Graphical Symbols in this Guide

Warning, Caution, Note, and Tip paragraphs draw your attention to important safe practices and additional information which may help you avoid injury, death, or loss of material or time.

WARNING! This indicates a potentially hazardous situation that, if not avoided, may result in death or serious injury. DO NOT IGNORE A WARNING!

CAUTION! This indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury. DO NOT IGNORE A CAUTION!

NOTE: This indicates a note on related information about the current topic.

TIP: This indicates a tip that may save you time or effort.

Additional Resources

The following resources are available to provide you with additional support.
• Your authorized Control4 representative or reseller.

• Control4 Web Site: http://www.Control4.com
CHAPTER 1
Introducing Wireless Touch Screen

Safety Instructions

The safety information for the Control4® Wireless Touch Screen is:

**CAUTION!** To avoid bodily harm, understand and follow these safety precautions before operating the Control4 Wireless Touch Screen:

- Using worn-out or damaged power cords may result in electric shock or fire.
- Always contact an authorized Control4 service provider for assistance if any repair or adjustment is required.

**WARNING!** To avoid data loss or equipment damage, understand and follow these safety precautions before operating the Control4 Wireless Touch Screen:

- Always use standard battery packs supplied with the Control4 Wireless Touch Screen. Other battery packs may have different specifications and may cause damage to the touch screen.
- Do not allow the battery pack to contact other metal objects.
- Do not use or place the touch screen near sources of heat or expose it to direct sunlight for an extended period of time. Store it in a cool and dry place.
- Do not use pens or sharp objects to write on the screen.
Role in a Control4 System

An essential component in every home control system is a system navigation method that allows users to communicate with the system. Control4 offers a variety of navigation options for every room, including this Control4 Wireless Touch Screen, which ships with Control4 Navigator software pre-installed.

**NOTE:** For a complete list of supported devices, see “Products” at http://www.Control4.com

The Wireless Touch Screen requires a WiFi (802.11b/g) wireless access point (WAP) to communicate to the home network. For example, here is a typical network configuration for using the Wireless Touch Screen with a Control4 Media Controller.
Figure 1-1. Sample Wireless Access Point Setup
What’s in the Box

Carefully unpack the Control4 Wireless Touch Screen from the box and ensure the following items are included in the box. Contact your authorized reseller immediately if you find any missing or damaged component.

- Control4 Wireless Touch Screen (model #C4-TSM10-G-B), which comes with Control4 Navigator software preinstalled.
- AC Adapter
- AC Power Cord
- Battery Pack (model #C4-BAT10.52-B)
- Table Dock (model #C4-10.5TC2-B)

Accessories Available

- Touch Screen Tabletop Dock - 10.5 (model # C4-10.5TC2-B shown above)
- Additional Battery Pack (model # C4-BAT10.52-B)
About the Wireless Touch Screen

This Control4 product is a 10.5 inch mobile flat panel.

Figure 1-2. Control4 Wireless Touch Screen - 10.5

NOTE: There are a variety of navigation interfaces for Control4 system users. For a complete list, contact a Control4-authorized reseller.

Specifications

For the Control4 Wireless Touch Screen - 10.5 specifications, see Table 1-1.
Table 1-1. Hardware Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor</td>
<td>AMD embedded processor: LX 800</td>
</tr>
<tr>
<td>Core Logic</td>
<td>South Bridge: CS 5536 chipset</td>
</tr>
<tr>
<td>Memory</td>
<td>256 MB</td>
</tr>
<tr>
<td>BIOS ROM</td>
<td>512KB flash with boot block or above</td>
</tr>
<tr>
<td>Mass Storage</td>
<td>512MB</td>
</tr>
<tr>
<td>Panel</td>
<td>10.4 inch XGA Color LCD Module.</td>
</tr>
<tr>
<td></td>
<td>- Resolution: 1024 x 768</td>
</tr>
<tr>
<td></td>
<td>- Luminance: Typ. 230 cd/m² (AU) (Option: 170 cd/m² (Toshiba)) Contrast Ratio: Typ. 500:1</td>
</tr>
<tr>
<td>Touch Screen</td>
<td>Touch Screen with Stylus Pen</td>
</tr>
<tr>
<td>Wireless</td>
<td>Built In IEEE802.11b/g Wireless LAN</td>
</tr>
<tr>
<td></td>
<td>- Integral Antenna (b/g supported)</td>
</tr>
<tr>
<td>Button</td>
<td>Analog type</td>
</tr>
<tr>
<td>Audio</td>
<td>AC-97 Rev 2.3 Compliant (current: AC-97 Rev 2.1 Compliant)</td>
</tr>
<tr>
<td></td>
<td>Internal 1W Speakers (Mono) x 1</td>
</tr>
<tr>
<td></td>
<td>Internal Microphone (Mono) x 1</td>
</tr>
<tr>
<td>External I/O Connectors</td>
<td>USB 2.0 Type A x2 - Card slot : PCMCIA Type-II (Card Bus type) x 1</td>
</tr>
<tr>
<td></td>
<td>- Audio : Headphone terminal , Microphone terminal</td>
</tr>
<tr>
<td>User Indicators</td>
<td>Power On/Off</td>
</tr>
<tr>
<td></td>
<td>Battery State</td>
</tr>
<tr>
<td></td>
<td>RF Intensity</td>
</tr>
<tr>
<td>Main Battery</td>
<td>3hr</td>
</tr>
<tr>
<td>Backup Battery</td>
<td>Type : Rechargeable Ni-MH battery, 40mAh, 7.2V</td>
</tr>
<tr>
<td></td>
<td>Backup time : About 30min ( system in suspend mode)</td>
</tr>
<tr>
<td></td>
<td>Charging time : About 12hrs</td>
</tr>
<tr>
<td>RTC Battery</td>
<td>Type : Rechargeable Li-battery, 100mAh, 3V</td>
</tr>
<tr>
<td>Power</td>
<td>Li-ion Battery pack , AC adapter</td>
</tr>
<tr>
<td></td>
<td>Worldwide EMI and Safety Approvals</td>
</tr>
<tr>
<td>Environment</td>
<td>Operation Temp.:0 to 40 deg. cent., Humidity: 15 to 85%</td>
</tr>
<tr>
<td></td>
<td>Storage Temp. : -20 to 60 deg. cent., Humidity:15 to 85%</td>
</tr>
<tr>
<td></td>
<td>IP53 certification for water repellent capability</td>
</tr>
<tr>
<td>Certification</td>
<td>Terminal : FCC , CE , UL, C-TICK</td>
</tr>
<tr>
<td></td>
<td>AC adapter : Electrical appliance and Material Safety Law</td>
</tr>
<tr>
<td>Dimension ( W x L x H )</td>
<td>290 x 220 x 31 (min.) mm</td>
</tr>
<tr>
<td></td>
<td>11.42” x 8.66” x 1.22” (min.)</td>
</tr>
<tr>
<td>Weight</td>
<td>1.5 Kg</td>
</tr>
</tbody>
</table>
Front View

1. Power On/Off Indicator
2. Battery State Indicator
3. WiFi Connection Indicator
4. Programmable Button
5. Programmable Button
6. Programmable Button
7. Programmable Button
8. Programmable Button
9. Selection Button
10. Touch Screen

LEDs: The LEDs indicate the status of the power supply, battery charge, and WiFi signal signal strength. See Table 1-2.

Table 1-2. Color Indication for LEDs

<table>
<thead>
<tr>
<th>Color</th>
<th>Power LED</th>
<th>Battery Charge LED</th>
<th>WiFi Signal Strength LED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Off</td>
<td>Power Off or Suspend Mode</td>
<td>Not Charging</td>
<td>No signal</td>
</tr>
<tr>
<td>Green</td>
<td>Power On</td>
<td>Fully Charged</td>
<td>Excellent</td>
</tr>
<tr>
<td>Amber</td>
<td>Low Battery (8%)</td>
<td>Charging</td>
<td>Good</td>
</tr>
<tr>
<td>Red</td>
<td>Extremely Low Battery (Auto Suspend) (4%)</td>
<td>N/A</td>
<td>Very Low</td>
</tr>
</tbody>
</table>
NOTE: When the battery power is critically low (i.e. battery capacity is at 4% or lower), the device can still be turned on as long as the AC adapter is plugged in.

Direction Key: Use this cursor control to move the highlighter around the screen (up, down, right, and left).

Touch Screen: Use this screen to perform operations and input data by touching the screen (no stylus required).

Top View

Reset Button
1. **Headphone Jack**
2. **Microphone Jack**
3. **Power Button**: Used to turn on, shut down, or place in Suspend mode. To turn on or shut down, press and hold for more than four seconds. To place in Suspend mode, quickly tap and release. To resume operation from Suspend mode, tap again. Without the main battery pack, the device cannot be turned on.
4. **Stylus**: Can be used to press Reset.
5. **USB port**
6. **DC-In Jack Input**: For the AC adapter power supply.
Back View

View 1: Stand Up

1. Battery Pack
2. Battery Lock
3. Battery Release Latch
The Wireless Touch Screen has four modes: Off, Wake, Sleep (Stand-By), and Suspend.

- **Off** is when screen is dark and Power LED is NOT lit. To power up, press the power button. To power down, press and hold the power button for more than four seconds.
- **Wake** is when the screen displays anything other than a screensaver.
- **Sleep (or Stand By)** is when screen is dark or running a screensaver, but wakes up when touched.
- **Suspend** is when screen is dark and Power LED is lit. Quickly tap and release the power button to put the Touch Screen into Suspend mode. Retap the power button to resume operation.
CHAPTER 2 Setting Up Wireless Touch Screen

Use this chapter as a guide to setting up the Control4 Wireless Touch Screen in your Control4® home automation system.

Topics covered here include:

- “Requirements” on page 15
- “Install Battery Components” on page 16
- “Connect to Power Supply” on page 18
- “Calibrate the Touch Screen” on page 19
- “Set Network Settings” on page 19

Requirements

The Wireless Touch Screen - 10.5 requirements are:

- A network WiFi (802.11b/g) wireless access point (WAP) already configured to communicate with a Control4 controller, (such as Media Controller). See the control4.com web site for recommended WAP models.

- Obtain the following wireless network information:

  - SSID — The Service Set Identifier of the WiFi WAP.
  - WEP Key (if enabled) — The Wired Equivalent Privacy key, which may have been enabled for WiFi Network Security.

  - IP Addressing Requirements — The default setting is DHCP (with dynamic addresses). When required to use a static IP address, provide a network IP address for this device.
Install Battery Components

**CAUTION!** For important information regarding loss of battery power and maintaining the life of your battery, refer to “Battery Storage Management” on page 30 and “Battery Pack Operating Instruction” on page 31.

**NOTE:** In order to prevent accidental data loss, the device can only powered on when the battery pack is in place.

The Control4 Touch Screen has two power sources battery or AC (using the AC/DC converter).

To install the battery:

1. Insert the battery pack (included in the box) into the battery slot.
2. Lock the battery lock.

**NOTE:** The system will not power on if the battery lock is not in the locked position.

**NOTE:** The device must be connected to a power supply (as indicated in the next section) for at least 2.5 hours for the battery to be fully charged.
Connect to Power Supply

1. Plug one end of the AC adapter into the DC-In jack and plug the other end into an electrical outlet. The power source can range from 100 to 240 Volts at 50 or 60 Hz.

2. Turn on the Control4 Touch Screen by pressing the power button. The system should turn on. If it does not, check your power connections. You might also try pressing the power button more firmly and slowly.
Calibrate the Touch Screen

You need to calibrate your Wireless Touch Screen: (1) the first time you use it, (2) after a hard reset, or (3) any time the system requests it. When the device needs calibration, the on-screen instruction will prompt you to do so. To calibrate the device:

1. With your fingertip, touch the screen firmly and accurately at the point indicated by the crosshairs (see the sample screen below).
2. Repeat Step 1 for each of the 4 subsequent points indicated by the crosshairs.

Set Network Settings

In order for this device to communicate with the other devices in the Control4 home automation system, you must set the network settings.

To set the network settings for this device:

1. Ensure that the WiFi (802.11b/g) wireless access point (WAP) is configured to communicate with a Control4 controller.
2. Gather the following wireless network information from your WAP:
   - SSID (Service Set Identifier):
     __________________________________
   - WEP Key (Wireless Encrypted Protocol Key), if enabled:
     __________________________________
   - IP Addressing Requirements: The default is DHCP (with dynamic addresses). If, instead, you need to use a static IP address, you will need to provide a network IP address for this device:
     __________________________________


The Info button bar displays with the About page currently selected.
4. On the button bar, press the Network button to display the Network page.


6. On the Wireless Network page:
   
   6a. Press Add.

   6b. Press in the text box provided for Network (SSID). An on-screen keyboard is displayed. Enter the SSID (which is case sensitive) and then press Done.

   6c. If WEP Key is enabled, press the WEP Key button to select it and then press in the text box provided. An on-screen keyboard is displayed. Select the WEP key length, enter the WEP key, and then press Done.

   6d. Press OK to return to the Wireless Network page.

   6e. Press OK again to return to the Network page. Your updates are displayed on this page.
7. The IP address is set to DHCP default (for dynamic IP addresses) by default. If you need to set a static IP address instead, complete the following steps:


7b. Choose Assigned (for static IP address).

7c. Press in the text box provided for the IP Address.

An on-screen keypad is displayed. Enter the static IP address for this device, and then press OK.

7d. Press OK to return to the Network page.

You should now be able to connect to a Control4 Director running on a Control4 device on the network.
Add and Configure in Composer

Using the Composer software of your choice, add and configure the Wireless Touch Screen to your projects.

1. Ensure that the Wireless Touch Screen is set up as directed in the Control4 Wireless Touch Screen Setup Guide and is on and active (not in sleep mode).

2. Within Composer in the System Design view on the project tree (right pane), highlight the room where the Wireless Touch Screen resides. Then, under My Drivers, go to the User Interface section and double-click a Wireless Touch Screen to add the object to the project tree.

   ▶ Wireless Touch screen V2 - 10.5"

3. Within the Connection view, use the Network tab to make the necessary network connection. To do this, highlight the Wireless Touch Screen object and click the Identify button.
4. Once in Identify mode, go to the physical Wireless Touch Screen and press the button on the top of the Wireless Touch Screen to identify the on the network.

5. Click Close to get out of the wizard.

6. (Optional) To further set up the Wireless Touch Screen, configure the properties. Modifiable properties include:

   ▶ Backlight Level — Allows you to set the light level of the backlight.

   ▶ Backlight Preset Level — Allows you to set the default backlight level. If you ever restart the or repower the Mini Touch Screen, this is the backlight level it would go to automatically.
Connect to a Control4 Director

**NOTE:** The Wireless Touch Screen controls are auto-populated by a project on the controller that it connects to. If the subsystem buttons are not lit and no default room is displayed, you are not connected to a controller.

1. On the Home page, press the Info button.
2. On the *Info* page, press the Director button.
3. If the Director page does not display, the Director View has probably been disabled and you must provide a passcode to enable it.
   - If you need the passcode, contact your authorized Control4 reseller.
   - If you have the passcode, go to Config > Disable View, enter the passcode, then press Director to unselect it. Now press the Director button again and you should view the Director page.
4. In the *Connect to a Director* list of IP addresses, highlight your controller’s IP address, then press Connect. A “Connecting…” message first displays, then the address displays in the upper-right corner of the Wireless Touch Screen display area to indicate your current connection.
5. Verify that the date, default location (room), and time all appear in the header to ensure you have all the required connections.
6. Choose the location you want to control from the drop-down list provided in the header.

You can now use the Wireless Touch Screen with the Control4 home automation system. For more information, refer to the *Wireless Touch Screen - 10.5 User Guide*. 
CHAPTER 3  Maintaining and Storing Hardware

Restrictions

- When fully-charged, the battery that ships with the Control4 Wireless Touch Screen can last for more than three hours under full operation.
- Limitations on IEEE802.11b/g WLAN coverage: Outdoor = 90 meters (at line of sight); Indoor, such as in a home environment = 35 meters.
- The wireless coverage is dependent on a number of factors, including:
  - Distance from the access point
  - Quality of access point
  - Metal beams, studs, window frames
  - Other wireless devices (such as cordless phones, WiFi network, or microwave ovens)
  - RF noise - General noise floor in the band that the Wireless Touch Screen uses.

Troubleshooting

If you experience operational problems with the Control4 Wireless Touch Screen, check the following table for system troubleshooting. If problems persist, please contact your Control4-authorized reseller.
### Battery Operation Problems

<table>
<thead>
<tr>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main battery is low.</td>
</tr>
<tr>
<td>◆ Replace or recharge the battery as soon as possible.</td>
</tr>
<tr>
<td>◆ Plug in the AC-DC adapter and continue using the Control4 Touch Screen</td>
</tr>
</tbody>
</table>

| The battery appears to be damaged or has reached the end of its service life.            |
| ◆ Purchase a new battery by contacting your Control4-authorized reseller.                |

| The Control4 Wireless Touch Screen turns off automatically.                              |
| ◆ Check to see if the battery power is too low or completely drained (refer to Table 1-2 on page 9). |
| ◆ Check to see if the system is in suspend mode (refer to “Modes” on page 13).           |
| ◆ Tap on the screen to check if the display will activate.                               |
| ◆ Plug in the AC-DC adapter to charge the battery.                                       |

| The Control4 Wireless Touch Screen cannot be turned on when not connected to AC power. |
| ◆ Make sure the battery pack is inserted.                                              |
| ◆ Make sure the battery switch is in the locked position.                              |
| ◆ The battery power may be too low to run the Touch Screen. Try connecting to AC power.|

### Display Related Problems

<table>
<thead>
<tr>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screen appears dark</td>
</tr>
<tr>
<td>◆ Excessive exposure to direct sunlight may cause the Control4 Touch Screen screen to temporarily darken. This is a natural consequence for LCD screens. It will not be permanent.</td>
</tr>
</tbody>
</table>

| Screen appears blank                                                                     |
| ◆ Restart the Control4 Touch Screen by pressing the power button for 10 seconds.         |
System Operation Problems | Action
--- | ---
The Control4 Touch Screen locks up or runs slowly. | ◆ Try to reset the system by switching the power off and on.  
◆ If switching the power off and on, the unit does not solve the problem, use the stylus to press the reset button for memory initialization (see “Top View” on page 10 for the location). This will reset all configurations and will require completing the setup process again.  

The touch screen is damaged. | ◆ Contact the Control4-authorized reseller from whom you purchased the Wireless Touch Screen.  

Network connection problems | ◆ View the system’s wireless status by checking the WAP LED.  
◆ Make sure that you have provided the required server information described in “Set Network Settings” on page 19.  
◆ If using WEP (Wireless Encrypted Protocol), ensure that the same WEP key is being used on the Wireless Touch Screen and the Wireless Access Point (WAP).  
◆ Make sure that the access point is connected to the proper network jack while it is functioning in the network infrastructure mode.  

Support and Service

You may obtain the Control4 Wireless Touch Screen product information from your Control4-authorized reseller.
Battery Storage Management

A battery kept in storage without being used for a long time loses power and needs to be recharged before use. To recharge a stored battery to 100% of its capacity, use the AC adapter or cradle. The recharging period depends on the storage temperature. Please refer to the information below:

Storage management (battery alone): According to standard production procedure, the included battery (model # C4-BAT10.52-B) is shipped with a battery charge at 50% of capacity.

<table>
<thead>
<tr>
<th>When battery is charged at 50% of capacity:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>If storage temperature in degrees F =</th>
<th>69.8</th>
<th>87.8</th>
<th>105.8</th>
<th>123.8</th>
<th>141.8</th>
</tr>
</thead>
<tbody>
<tr>
<td>~86</td>
<td>~104</td>
<td>~122</td>
<td>~140</td>
<td>~158</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Approximate # of days charge will last</th>
<th>80</th>
<th>60</th>
<th>40</th>
<th>24</th>
<th>13</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Recommended recharge schedule</th>
<th>2 months</th>
<th>1.5 months</th>
<th>1 month</th>
<th>3 weeks</th>
<th>1 week</th>
</tr>
</thead>
</table>

Once a battery is recharged up to 100% capacity, the storage time will be longer. Refer to the following table as a guideline.

<table>
<thead>
<tr>
<th>When battery is charged up to 100% of capacity:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>If storage temperature in degrees F =</th>
<th>69.8</th>
<th>87.8</th>
<th>105.8</th>
<th>123.8</th>
<th>141.8</th>
</tr>
</thead>
<tbody>
<tr>
<td>~86</td>
<td>~104</td>
<td>~122</td>
<td>~140</td>
<td>~158</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Approximate # of days charge will last</th>
<th>160</th>
<th>120</th>
<th>80</th>
<th>48</th>
<th>26</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Recommended recharge schedule</th>
<th>4 months</th>
<th>3 months</th>
<th>2 months</th>
<th>6 weeks</th>
<th>2 weeks</th>
</tr>
</thead>
</table>
WARNING! If charging to 100% of capacity is necessary, do not store battery packs next to one another. Any battery pack with high energy is dangerous at high temperatures and storing two or more of these battery packs next to each other fully charged only increases the danger.

Battery Pack Operating Instruction

Battery Charging

For safety reasons, the battery pack is shipped only partially charged. When you are ready for use, fully charge it using the AC adapter included or the optional cradle for approximately 1.5 hours.

Battery Cell Over-Discharge Notice

When the battery is discharged to a certain low voltage, the battery cell will be damaged permanently, and its capacity will drop dramatically. It is called over-discharge condition. If the over-discharge condition happens several times, the battery cell becomes non-functional and non-recoverable. The cell over-discharge failure is not covered by the standard product warranty.

Operation Management

When the battery pack is attached to a device, it is possible for the battery pack to lose battery power due to the small standby current of the system. Thus, users should use the AC adapter or cradle to charge the battery if the system is not used for several days.

When the device is idle for a period of time (a few days) without charging, we recommended you separate the battery pack from the device to extend the battery life and to help prevent battery cell over-discharge. However, to maintain the life of the battery, you will still need to periodically recharge it due to a self discharge feature in the battery cell.
CHAPTER 4 Regulatory Compliance

FCC Information

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 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

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

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.
The C and US indicators adjacent to the CSA Mark signify that the product has been evaluated to the applicable CSA and ANSI/UL Standards, for use in Canada and the U.S., respectively. This ‘US’ indicator includes products eligible to bear the ‘NRTL’ indicator. NRTL, i.e. National Recognized Testing Laboratory, is a designation granted by the U.S. Occupational Safety and Health Administration (OSHA) to laboratories which have been recognized to perform certification to U.S. Standards.

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

- CLASS 3862 11 - Information Technology Equipment - (CSA 60950-1-03)
- CLASS 3862 91 - Information Technology Equipment- (CSA 60950-1-03/UL 60950-1, -First Edition NRTL Program) Certified to U.S. Standards

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

- AS/NZS 4771: 2000—Spread Spectrum Equipment using 900MHz, 2.4GHz and 5.8GHz bands.
European Contact  
Control4 UK Limited  
Unit 3, Green Park Business Centre  
Sutton-on-the-Forest, York  
YO61 1ET, United Kingdom  
+44 (0) 134781 2300  
c4@control4-UK.com

United States Contact  
Control4 Corporation  
11734 S. Election Road, Suite 200  
Salt Lake City, UT 84020-6432, USA  
Tel (801) 523-3100

Product: **Wireless Touch Screen - 10.5”, model number C4-TSM10-G-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:


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 300 328-2 V1.4.1—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.

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

Signed,

Paul E. Nagel—Vice President of Engineering, July 12, 2007
Recycling

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

Warranty

This device has a limited two (2) year warranty on parts from the date of purchase. Control4 will replace or repair any defective unit. Return unit to the place of purchase for replacement. For any damages incurred, the warranty will never exceed the purchase price of the device. This warranty does not cover installation, removal, or reinstallation cost. The warranty is not valid in cases where damage was incurred due to misuse, abuse, incorrect repair, or improper wiring or installation. It does not cover incidental or consequential damage. This warranty gives you specific legal rights, and you might also be entitled to other rights that vary from country to country or state to state. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages. In these cases, the above mentioned limitations might not apply to you. For complete warranty information, see: http://www.control4.com/dealer/.