User Guide

TouchLink®

CCI Pro 700 TouchLink Pro Conference Room Control Interface





8-2785-01 Rev. E 01 20

Safety Instructions

Safety Instructions • English

▲ WARNING: This symbol, ▲, when used on the product, is intended to alert the user of the presence of uninsulated dangerous voltage within the product's enclosure that may present a risk of electric shock.

ATTENTION: This symbol, A, when used on the product, is intended to alert the user of important operating and maintenance (servicing) instructions in the literature provided with the equipment.

For information on safety guidelines, regulatory compliances, EMI/EMF compatibility, accessibility, and related topics, see the Extron Safety and Regulatory Compliance Guide, part number 68-290-01, on the Extron website, www.extron.com.

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VORSICHT: Dieses Symbol A auf dem Produkt soll dem Benutzer in der im Lieferumfang enthaltenen Dokumentation besonders wichtige Hinweise zur Bedienung und Wartung (Instandhaltung) geben.

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- ATENCIÓN: Este símbolo, ▲, cuando se utiliza en el producto, avisa al usuario de la presencia de importantes instrucciones de uso y mantenimiento recogidas en la documentación proporcionada con el equipo.

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ATTENTION : Ce pictogramme, A, lorsqu'il est utilisé sur le produit, signale à l'utilisateur des instructions d'utilisation ou de maintenance importantes qui se trouvent dans la documentation fournie avec le matériel.

Pour en savoir plus sur les règles de sécurité, la conformité à la réglementation, la compatibilité EMI/EMF, l'accessibilité, et autres sujets connexes, lisez les informations de sécurité et de conformité Extron, réf. 68-290-01, sur le site Extron, www.extron.com.

Istruzioni di sicurezza • Italiano

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Per informazioni su parametri di sicurezza, conformità alle normative, compatibilità EMI/EMF, accessibilità e argomenti simili, fare riferimento alla Guida alla conformità normativa e di sicurezza di Extron, cod. articolo 68-290-01, sul sito web di Extron, www.extron.com.

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- UWAGI: Ten symbol, A, gdy używany na produkt, jest przeznaczony do ostrzegania użytkownika ważne operacyjne oraz instrukcje konserwacji (obsługi) w literaturze, wyposażone w sprzęt.

Informacji na temat wytycznych w sprawie bezpieczeństwa, regulacji wzajemnej zgodności, zgodność EMI/EMF, dostępności i Tematy pokrewne, zobacz Extron bezpieczeństwa i regulacyjnego zgodności przewodnik, część numer 68-290-01, na stronie internetowej Extron, www.extron.com.

Инструкция по технике безопасности • Русский

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注意: ▲ 产品上的这个标志意在提示用户设备随附的用户手册中有 重要的操作和维护(维修) 说明。

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有關安全性指導方針、法規遵守、EMI/EMF 相容性、存取範圍和相關主題的詳細資 訊,請瀏覽 Extron 網站: www.extron.com, 然後參閱《Extron 安全性與法規 遵守手冊》,準則編號 68-290-01。

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안전 지침 • 한국어

경고: 이 기호 ▲ 가 제품에 사용될 경우, 제품의 인클로저 내에 있는 접지되지 않은 위험한 전류로 인해 사용자가 감전될 위험이 있음을 경고합니다.

주의: 이 기호 ⚠️ 가 제품에 사용될 경우, 장비와 함께 제공된 책자에 나와 있는 주요 운영 및 유지보수(정비) 지침을 경고합니다.

안전 가이드라인, 규제 준수, EMI/EMF 호환성, 접근성, 그리고 관련 항목에 대한 자세한 내용은 Extron 웹 사이트(www.extron.com)의 Extron 안전 및 규제 준수 안내서, 68-290-01 조항을 참조하십시오.

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FCC Class A Notice

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC rules. The Class A limits provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause interference. This interference must be corrected at the expense of the user.

NOTE: For more information on safety guidelines, regulatory compliances, EMI/EMF compatibility, accessibility, and related topics, see the "Extron Safety and Regulatory Compliance Guide" on the Extron website.

Battery Notice

This product contains a battery. Do not open the unit to replace the battery. If the battery needs replacing, return the entire unit to Extron (for the correct address, see the Extron Warranty section on the last page of this guide).

CAUTION: Risk of explosion. Do not replace the battery with an incorrect type. Dispose of used batteries according to the instructions.

ATTENTION : Risque d'explosion. Ne pas remplacer la pile par le mauvais type de pile. Débarrassez-vous des piles usagées selon le mode d'emploi.

Conventions Used in this Guide

Notifications

The following notifications are used in this guide:

CAUTION: Risk of minor personal injury.

ATTENTION : Risque de blessure mineure.

ATTENTION:

- Risk of property damage.
- Risque de dommages matériels.

NOTE: A note draws attention to important information.

TIP: A tip provides a suggestion to make working with the application easier.

Software Commands

Commands are written in the fonts shown here:

^ARMerge Scene,,Op1 scene 1,1^B51^W^C

[01] R000400300004000080000600[02]35[17][03]

NOTE: For commands and examples of computer or device responses mentioned in this guide, the character "0" is used for the number zero and "0" is the capital letter "o."

Computer responses and directory paths that do not have variables are written in the font shown here:

Reply from 208.132.180.48: bytes=32 times=2ms TTL=32 C:\Program Files\Extron

Variables are written in slanted form as shown here:

ping xxx.xxx.xxx.-t SOH R Data STX Command ETB ETX

Selectable items, such as menu names, menu options, buttons, tabs, and field names are written in the font shown here:

From the File menu, select New.

Click the **ok** button.

Specifications Availability

Product specifications are available on the Extron website, www.extron.com.

Extron Glossary of Terms

A glossary of terms is available at http://www.extron.com/technology/glossary.aspx.

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Introduction

This section contains basic information about the Extron CCI Pro 700 TouchLink Pro Conference Room Control Interface. Topics in this section include:

- Guide Overview
- Product Description
- Features
- Application Diagram

Guide Overview

This guide contains information about installing, operating, and configuring the CCI Pro 700 TouchLink Pro Conference Room Control Interface. In this guide, the terms "CCI Pro 700" and "interface" refer to the CCI Pro 700 TouchLink Pro Conference Room Control Interface.

Product Description

The CCI Pro 700 is control system user interface optimized for conferences, collaboration, and AV control. It supports many critical functions needed in a conference environment, while providing a powerful and intuitive user interface for room control. The compact CCI Pro 700 includes a 3.5 inch color information display, a numeric keypad, and backlit buttons. The information display is customized using GUI Designer, and all buttons can be configured and customized using Global Configurator Plus and Professional, and Custom Button Builder.

Features

- **Fully configurable** Controls conference systems and AV devices from a single interface.
- Audio, video, and web integration Works seamlessly with virtually any audio, video, or web conference solution.
- IP Link Pro control processor compatibility Directly communicates with any IP Link Pro control processor via Ethernet.
- Customizable 3.5 inch color information display with context-dependent buttons Displays contact information, dialing directories, and call status.
- Six customizable function buttons Control AV devices or call presets. Buttons are included with labels for display on, display off, and source selection. Create custom labels and order custom buttons by using Custom Button Builder.
- **Dual color call status indicator** Shows various conference room conditions such as microphone mute, privacy, or an incoming call.
- Configurable buttons Control critical conference functions. These backlit buttons for volume, navigation, call mode, keypad, and room and conference functions are grouped for easy user operation of the conference environment.
- Power over Ethernet (PoE) Allows the interface to receive power and control over a single Ethernet cable, eliminating the need for a local power supply (PoE injector sold separately).

- **Light sensor** Adjusts screen and button brightness as the ambient room lighting changes.
- Adjustable sleep timer Puts the interface into Sleep mode to save energy when not in use.
- **Motion detector** Wakes the interface from Sleep mode when motion is detected near the interface.
- Extron control system software Fully configures the interface. GUI Designer configures the LCD screen layout. Global Configurator Plus and Professional configure the button functions.
- Support for Extron Control App and Extron Control for Web
- **Pull-out tray** Provides easy access to reminders or system information, such as contact numbers or system presets.
- Section 508 compliance Meets or exceeds Section 508 accessibility standards.



Figure 1. Typical Application Diagram

Installation Overview

This section contains basic installation procedures.

- 1. Before starting, download (www.extron.com) and install the latest versions of the following software:
 - Global Configurator Plus and Professional (GC) For configuring button actions and functions of the interface.

NOTES:

- Global Configurator Plus and Professional operates in either Plus mode or Professional mode.
- Global Configurator Professional access requires Extron Control Professional certification.
- **Global Scripter (GS)** This is an alternative to Global Configurator Plus and Professional for programming the button actions and functions of the interface.
- **GUI Designer** For designing or adjusting LCD screen layouts.

You might also want to download a customized system template. Extron has created a number of system templates, available for free from the **CCI Pro 700 product page** on the Extron website. Each template is customized for use with a specific model of audio or video conferencing codec. It includes the driver for the codec, a GUI layout template for the CCI Pro 700, and configurations for the buttons and screen.

- 1. Obtain the following network information from your network administrator:
 - DHCP status (on or off) If DHCP is off, obtain the following:
 - IP address
 - Subnet mask
 - Gateway
- 2. Mount and cable the units:
 - a. Mount the unit on a flat surface (see Mounting on page 22).
 - **b.** Remove the CCI Pro 700 from the base to access the rear panel (see **Rear Panel Access** on page 6).
 - **c.** Route an Ethernet cable through the opening in the base (see **Cable Routing** on page 10).
 - **d.** Connect an Ethernet cable from the network to the interface (see **Rear Panel Buttons and Connector** on page 7).

NOTE: If necessary, use a power injector along the Ethernet cable run to apply power.

- e. Attach the base to the rear panel of the interface.
- 3. Use the setup menu to initially set up the interface (see Setup Menu on page 11).

- 4. If using Global Configurator Plus and Professional to set up the system, either:
 - Download a GC system template project (as mentioned in step 1), start Global Configurator, open the template project, and configure the rest of the system as desired. The embedded GUI layout can be exported, modified in GUI Designer, then imported back into the GC project.

or

- Create a layout for the interface using GUI Designer. Start a project in Global Configurator. Import the GUI layout to the project and use GC to configure the interface.
- 5. If using Global Scripter to set up the system, create a layout for the interface using GUI Designer then start Global Scripter. Import the GUI layout, program the control processor and interface, and program button functions.
- 6. Save the GC project or GS script file.
- 7. Upload Global Configurator or Global Scripter files to the CCI Pro 700 interface.
- **8.** Test the system to verify that the button actions and LCD screen are working as configured.
- **9.** Make adjustments to the configuration or programming if needed and upload the revised file to the interface.

Panel Features

This section contains enclosure features. Topics in this section include:

- Front Panel Features
- Rear Panel Features

Front Panel Features

The CCI Pro 700 comes with installed buttons for common functions (see **Button Replacement** on page 22 for information on changing the buttons). However, button functions are not assigned until configured in Global Configurator Plus and Professional (see the *Global Configurator Help* file). See figure 2 for front panel features and common button functions.



- Context buttons Select specific options on the bottom of the LCD screen or in the setup menu.
- **Optional buttons** Can be configured for any included button label.

- **• Dial buttons** Start or end conference calls (see **figure 2**, **•** on the previous page).
- Mic mute button Mutes or unmutes conference room microphones (see G on the previous page).
- **H** Number keypad buttons Consist of alphanumeric characters for dialing phone numbers or entering values.
- Navigation buttons Navigate the setup menu, on-screen menus, and lists created in the GUI. These buttons include the Up (▲), Down (▼), Left (◄), and Right (►) Navigation buttons as well as the ← Navigation button.
- **J** Transmit LED indicator Lights according to function button activity.
- **K** Function buttons Select inputs or other configurable functions.
- **Motion sensor** Detects motion and wakes the panel from Sleep mode.
- M **Pull-out tray** Houses important information.
- Status indicator Lights green or red for various conference call conditions, such as active conference calls or a muted microphone.

Rear Panel Features

Rear Panel Access

To access the rear panel, remove the CCI Pro 700 from the base as follows:

1. Firmly hold the base and lift up the tab on the top of the CCI Pro 700 to dislodge the CCI Pro 700 from the base.



Figure 3. Pulling the Tab

2. Carefully lift the CCI Pro 700 away from the base.





Rear Panel Buttons and Connector

Remove the device from the base to access the rear panel features (see **Rear Panel Access** on the previous page).



▲ LAN and Power over Ethernet (PoE) connector — Connect a twisted pair cable to this RJ-45 connector (see figure 5, ▲ above). The Ethernet cable can be terminated as a straight-through cable or a crossover cable (see figure 6 on the next page).



RJ-45 Connector Pinout Tables Figure 6.

Plug one end of the cable into the RJ-45 connector and the other end into a network switch, hub, or router that is connected to an Ethernet LAN or the Internet. An Extron IP Link Pro control processor must also be connected to the same network domain.

The network port has two LEDs. The green LED lights when a network connection is established. The yellow LED blinks when data is passed to or from the interface.

- **ATTENTION:** The CCI Pro 700 is Power over Ethernet (PoE IEEE 802.1af, class 3) compliant. Do not connect power before reading the Attention notification on page 8.
- **ATTENTION:** Le CCI Pro 700 est compatible avec l'alimentation POE via Ethernet (PoE 802.3af, classe 3). Ne branchez pas de sources d'alimentation externes avant d'avoir lu les mises en garde sur page 8.

NOTE: Power over Ethernet is required to power the device.

To use a power injector, connect a straight-through Ethernet cable to the power supply and a switch or router. This cable carries network information from the switch or router to the power injector input. Connect a second straight-through cable between the power injector and the CCI Pro 700 to carry the network information and 48 VDC from the power injector to the interface. Connect the IEC power cord to a convenient 100 VAC to 240 VAC, 50-60 Hz power source.

Figure 7 below shows the Extron XTP PI 100. Your power injector may look different.



network switch



ATTENTION:

- The CCI Pro 700 is intended for connection to a Power over Ethernet circuit for intra-building use only and are considered to be part of a Network Environment 0 per IEC TR62101.
- Le CCI Pro 700 est conçu pour une connexion à un circuit PoE pour une utilisation intérieure seulement et est considéré comme faisant partie d'un environnement réseau 0 par IEC TR62101.

ATTENTION:
 This product is intended for use with a UL Listed power source marked "Class 2" or "LPS" and rated 48 VDC (PoE), minimum 0.35 A.
 Ce produit est destiné à une utilisation avec une source d'alimentation listée UL avec l'appellation « Classe 2 » ou « LPS » et normée 48 Vcc (PoE), 0,35 A minimum.
 Power over Ethernet (PoE) is intended for indoor use only. It is to be connected only to networks or circuits that are not routed to the outside plant or building. L'alimentation via Ethernet (PoE) est destinée à une utilisation en intérieur uniquement. Elle doit être connectée seulement à des réseaux ou des circuits qui ne sont pas routés au réseau ou au bâtiment extérieur.
• The installation must always be in accordance with the applicable provisions of National Electrical Code ANSI/NFPA 70, article 725 and the Canadian Electrical Code part 1, section 16.
 Cette installation doit toujours être en accord avec les mesures qui s'applique au National Electrical Code ANSI/NFPA 70, article 725, et au Canadian Electrical Code, partie 1, section 16.
 The power supply shall not be permanently fixed to building structure or similar structure.
 La source d'alimentation ne devra pas être fixée de façon permanente à une structure de bâtiment ou à une structure similaire.
Jenu button — Press this button (see figure 5 , B on page 7) to open the setup

- B Menu button Press this button (see figure 5, B on page 7) to open the setup menu on the LCD screen (see Setup Menu on page 11). To access the recessed button, use an Extron Tweeker or small screwdriver.
- Reset button and LED Press this button to reset the CCI Pro 700 (see Reset Modes on page 24). To access the recessed button, use an Extron Tweeker or small screwdriver.

Cable Routing

- 1. Remove the CCI Pro 700 from the base (see Rear Panel Access on page 6).
- 2. Pull the twisted pair cable through the opening at the bottom of the base (see figure 8).



Figure 8. Routing Cable through the Base Opening

- 3. Connect the cable to the LAN and PoE connector (see figure 5, (A) on page 7)
- 4. Route the cable around the guides of the CCI Pro 700 as shown in figure 9, below.



Figure 9. Routing Cable along the Rear Panel

5. Reattach the CCI Pro 700 to the base.

Setup Menu

This section contains basic setup information using the setup menu system. Topics in this section include:

- Navigation and Data Entry
- Setup Menu System

Navigation and Data Entry

- Menu button Press the Menu button (see figure 5, B on page 7) to access or exit the setup menu.
- Directional Navigation buttons Press the Up (▲), Down (▼), Left (◄), and Right (►) Navigation buttons (see figure 2, ① on page 5) to move between elements on the LCD screen. When editing text, press the Left and Right buttons to move the cursor. When adjusting numeric values, press the Up and Down buttons to increase or decrease the value by one step respectively. Pressing and holding either button changes the values at an increased rate.
- ✓ Navigation button Press the ✓ Navigation button (see figure 2, ①) to select an item.
- Context buttons Press the context button (see figure 2, ^O) directly below options displayed in the bottom menu of the LCD screen (see figure 2, ^O) to perform additional actions.
- **Keypad** Press the alphanumeric keypad buttons (see **figure 2**, **H**) to set values. Numbers or letters can be entered depending on the fields. To enter numeric values, press the desired number keypad button.

NOTE: If letters or numbers can be entered into the same field, pressing the same keypad button multiple times in succession changes a number to a letter. To enter the same number multiple times in a row, pause between button presses.

To enter letters, note the groups of letters on the keypad buttons and press the button repeatedly until the desired letter appears on the LCD screen.

Setup Menu System

The setup menu contains four submenus for configuring the CCI Pro 700 and one to display information about the CCI Pro 700. The available submenus include:

- Status Submenu
- Network Submenu
- Display Submenu
- Audio Submenu
- Advanced Submenu

To navigate between submenus, press the ▲ or ▼ Navigation button to highlight a submenu and press the ← Navigation button to select it.

Status Submenu

This submenu (see figure 10) displays basic information about the CCI Pro 700 and is readonly. By default, pressing the **Menu** button on the rear panel displays this submenu first.

Status				
Model:	CCI Pro 700			
Part Number:	60-1206-02			
Firmware Version:	1.00			
PoE Status:	Active			
	Main			

of the interface.
Part number — Displays the part

• Model — Displays the model name

- number of the interface.
 Firmware version Displays the
- current firmware version.
- Power over Ethernet status –
 Displays the status of the power over Ethernet connection.

Figure 10. Status Submenu

Network Submenu

This submenu (see figure 11 below and **figure 12** on page 14) contains options to configure network settings. Network settings can be assigned automatically with Dynamic Host Configuration Protocol (DHCP) or manually by specifying an IP address, subnet mask, gateway address, and Domain Name Server (DNS) IP address obtained from the network administrator. To finalize pending changes, press the **Context** button directly below **Apply**. To cancel pending changes, click the **Context** button directly below **Main**.

Network		
DHCP:		$\bigcirc \times$
Host Name: C	CI-Pro-700-oC-	E1-39
IP Address:	192.168.25	4.251 >
Subnet Mask:	255.255	.255.0 🔪
Gateway:	0	.0.0.0 >
Page Down		Main

Figure 11. Network Submenu – Page 1

- **DHCP** Press the ◀ or ► **Navigation** button to enable or disable dynamic host configuration protocol (DHCP) (the default is disabled). When enabled, only the host name can be changed.

NOTE: Use the **# Keypad** button to enter a dash (-) character.

 IP address — Press the ← Navigation button to edit the IP address. Use the < and
 Navigation buttons to move the cursor position and the Keypad to enter values. The range is 0.0.0.0 to 255.255.255.(the default is 192.168.254.251).

NOTE: Use the ***** Keypad button to enter a period (.) character.

 Subnet mask — Press the ← Navigation button to edit the subnet mask. Use the
 and ▶ Navigation buttons to move the cursor position and the Keypad to enter values. The range is 0.0.0.0 to 255.255.255.255 (the default is 255.255.255.0).

NOTE: Use the ***** Keypad button to enter a period (.) character.

 Gateway address — Press the ← Navigation button to edit the gateway address. Use the ◄ and ► Navigation buttons to move the cursor position and the Keypad to enter values. The range is 0.0.0.0 to 255.255.255.255 (the default is 0.0.0.0).

NOTE: Use the *** Keypad** button to enter a period (.) character.

Network				
DNS (IP)	:	127	7.0.0.1 🔪	
Domain Name:				
MAC Address: 00-05-A6-OC-E1-39				
	Page Up		Main	

Figure 12. Network Submenu – Page 2

- DNS (IP) Press the ← Navigation button to edit the DNS address. Use the
 and ► Navigation buttons to move the cursor position and the Keypad to enter values. The range is 0.0.0.0 to 255.255.255 (the default is 127.0.0.1).
- **Domain name** Displays the domain name.
- **MAC address** Displays the MAC hardware address of the interface.

Display Submenu

This submenu (see figure 13) contains settings to adjust the display and sleep timer.

Display				
Auto Brightness:			•	/
Brightness:	<	80,	/100	>
Sleep Timer:				/
Sleep Timeout (min.)	<	5/	120	>
Wake on Motion:			•	<mark>/</mark>)
			Ма	in

Figure 13. Display Submenu

- Auto brightness mode Press the ◄ or ► Navigation button to enable or disable the auto brightness feature. When enabled, the LCD screen and button illumination levels are automatically adjusted to the amount of ambient room light.
- **Brightness level** Press the ◀ and ► **Navigation** buttons to select the brightness level of the LCD screen. When this is set, the auto brightness feature is disabled.
- Sleep timer mode Press the ◀ or ► Navigation button to enable or disable sleep mode. Sleep mode activates after a certain amount of time of inactivity passes. The time is determined by the sleep timeout setting.

To deactivate Sleep mode after it has been activated, perform one of the following:

- Press a button on the front panel.
- With wake on motion mode enabled, make a motion near the device.
- Sleep timeout period Press the ◄ and ► Navigation buttons to select the period of inactivity (in minutes) required to activate sleep mode.

• Wake on motion mode — Press the ◄ or ► Navigation button to enable or disable wake on motion mode. When enabled, the device deactivates sleep mode when motion is detected near the device.

Audio Submenu

This submenu (see figure 14) contains options to adjust all audio settings.

Audio				
Master:	•	50/100	>	
Click:	<	50/100	>	
Sound:	<	75/100	>	
			Main	

Figure 14. Audio Submenu

- **Master volume** Press the ◄ and ▶ **Navigation** buttons to set the output volume. The other volume settings are relative to the master volume. The master volume range is 0-100%. The default value is 80%.
- Click volume Press the ◄ and ➤ Navigation buttons to set the audio level of button presses. The click volume range is 0-100% of the master volume. The default value is 80%.
- **Sound volume** Press the ◀and ▶ **Navigation** buttons to set the level of playback audio. The sound volume range is 0-100% of the master volume. The default value is 80%.

Advanced Submenu

This submenu contains options to set a menu lockout PIN number and display GUI projects and system information.

Advanced			
Menu PIN:		<u>~</u> ()	
Set PIN:	C	hange 🕨	
Controller IP:	192.168.25	4.250 🔵	
Page Down		Main	

Figure 15. Advanced Submenu – Page 1

- Menu PIN mode Press the ◀ or ► Navigation button to enable or disable the use of a PIN number to access the setup menu.
- Set PIN number Press the ← Navigation button to open the Enter New Pin submenu. Press the Keypad buttons to enter a new four digit PIN number (see figure 16).

Enter New Pin		
* _		
	Back Space	Main

Figure 16. Enter New Menu Pin Submenu

• **Controller IP address** – Displays the IP address of the connected controller.

Advanced: System Project Info			
Name:		gcpro_fi	le.gcpro
Version:			1.0.0.0
Creation	Date:	8/7/2015 3:1	9:43 PM
Revision	Date:	8/7/2015 3:1	9:43 PM
Page Down	Page Up		Main

Figure 17. Advanced Submenu – Page 2

- Name Displays the name of the loaded Global Configurator file.
- Version Displays the Global Configurator version number.
- **Creation date** Displays the date the Global Configurator file was created in the format *MM/dd/yyyy hh:mm:ss*, where *MM* is the month and *mm* is the minutes.
- **Revision date** Displays the date the Global Configurator file was last modified in the format *MM/dd/yyyy hh:mm:ss*, where *MM* is the month and *mm* is the minutes.

Advanced: UI Project Info			
Name:	ļ	gui_designe	r_file.gdl
Version:			1.0.0
Creation	Date: 8	/7/2015 3:1	9:43 PM
Revision	Date: 8	/7/2015 3:1	9:43 PM
Project Resolution 320x240			320x240
	Page Up		Main

Figure 18. Advanced Submenu – Page 3

- **Name** Displays the name of the loaded GUI Designer file.
- **Version** Displays the GUI Designer version number.
- **Creation date** Displays the date the GUI Designer file was created in the format *MM/dd/yyyy hh:mm:ss*, where *MM* is the month and *mm* is the minutes.
- **Revision date** Displays the date the GUI Designer file was last modified in the format *MM/dd/yyyy hh:mm:ss*, where *MM* is the month and *mm* is the minutes.
- Project resolution Displays the resolution in the format [width]x[height].

Configuration Software

This section contains basic information about downloading and installing GUI Designer, Global Configurator Plus and Professional, Toolbelt, and Global Scripter, as well as basic information about using them. For more information on the programs, see their respective help files. Topics in this section include:

- Configuration Software Programs
- Internal Web Page

Configuration Software Programs

Software Descriptions

NOTES:

- An Extron Insider account is required to download Global Configurator Plus and Professional and many other programs.
- Global Configurator Professional access requires Extron Control Professional certification.

GUI Designer

Use the GUI Designer software to design the LCD screen layout for the CCI Pro 700. See the GUI Designer Help File for more information about the software.

The LCD screen is 3.5 inches with a resolution of 320x240.

NOTE: If you use one of the system template projects for Global Configurator, you might not need GUI Designer. The templates include a basic GUI layout.

Global Configurator Plus and Professional

Use the Global Configurator Plus and Professional software to set up and configure the control processor and the interface. See the *Global Configurator Help File* for more information about the software.

Global Scripter

For those who prefer to program control systems rather than configure them, Global Scripter is an alternative to Global Configurator. It uses the Python programming language and a custom Python library called ControlScript. More information is available at http://www.extron.com/technology/landing/programming/ and in the *Global Scripter Help File*.

Toolbelt

Use the Toolbelt software for device discovery, device information, firmware updates, and configuration of network settings, system utilities, and user management for the CCI Pro 700.

Software Overview

To design a graphical user interface (GUI) for the CCI Pro 700 and configure button functions, perform the following steps:

- Download and install GUI Designer and Global Configurator Plus and Professional, Toolbelt, or Global Scripter, as desired, to a computer connected to the same network as the control processor and CCI Pro 700 (see Software Download below and Software Installation on the next page).
- 2. Design and build the layout of the text and graphics using GUI Designer or download a system template Global Configurator project from the Extron website.
- **3.** Import the layout or project to Global Configurator Plus and Professional.
- **4.** Assign functions to the text, graphics, and front panel buttons using Global Configurator Plus and Professional, or use Global Scripter to program the system and program functions for the buttons.
- 5. Build and upload the project or program script to the control processor and interface.

Software Download

The programs can be downloaded from the Extron website (www.extron.com).

NOTE: An Extron Insider account is required to download Global Configurator Plus and Professional.

1. On the Extron **website**, hover over the **Download** tab and select the **Software** link from the drop-down list. The **Download Center Software** page opens.

TIP: If Global Configurator Plus and Professional, GUI Designer, or Toolbelt are featured in the left sidebar or the software **Download Center** page, click the associated link to go to the individual product page. Click the **Download** button and skip steps 4 and 5.

- 2. Navigate to Global Configurator Plus and Professional, GUI Designer, or Toolbelt.
- 3. Click the **Download** link to the right of the desired software.

NOTES:

- You must have an Extron Insider account and log in to that account to download either firmware or software.
- A Release Notes file, giving information on what has changed in the new software version, is available for download from on the same page.
- **4.** If requested, submit any required information and follow on-screen instructions to start the download. Note where the file is saved.

Software Installation

- 1. From the location where the file was saved, open the software executable (.exe) file.
- 2. Follow the instructions that appear on the screen. By default, the installation creates a directory in the Program Files or Program Files (x86) folder.

Internal Web Page

The CCI Pro 700 internal web page displays connection information along with other data.

					Logged in as: admin	
General Status		LAN		System Project		_
Model Name:	CCI Pro 700	DHCP:	Off	Name:	Static Demo 01tp.gcpro	
Description:	TouchLink Pro Conference Room Control Interface	Host Name:	CCI-Pro-700-0C-E1-39	Primary Controller:	192.168.254.250	
Part Number:	60-1206-02	IPv4 IP Address:	192.168.255.251			
Firmware Version:	1.00.0000-b008	Subnet Mask:	255.255.254.0	UI Project		
Date:	March 29, 2016	Gateway IP:	0.0.0.0	Name:	Static Demo_01.gdl	
Time:	9:21 PM	DNS(IP):	127.0.0.1	Version:	1.00	
PoE:	Active	MAC Address:	00-05-A6-0C-E1-39	Creation Date:	5/26/2015 4:12:06 PM	
Up Time:	2 dav(s) 0 hour(s) 21 minute(s)			Revision Date:	8/14/2015 1:46:16 PM	
Linner Teferrer				Saved with:	GC Plus/Pro 1.4.0.43	
License Informa				Project Resolution:	320x240	
Firmware Unload	ar .					

Figure 19. CCI Pro 700 Web Page

Web Page Access

In a browser program, enter the device IP address. If the CCI Pro 700 is passwordprotected, enter the interface username and password.

NOTES:

- The factory configured password for this device has been set to the device serial number. Passwords are case sensitive. Performing a Reset to Factory Defaults sets the password to extron.
- The interface has the following default login credentials:
 - Username = admin
 - Password = extron

License Information

The interface uses various licensed third-party software packages during operation. To view details about third-party packages and associated licensing, perform the following:

1. In the General Status panel, click the License Information button. The License Information dialog box opens.

License Information		×
Package	License	
aufs2-util	<u>GNU GPL v2</u>	*
avahi	GNU LGPL v2.1	
bstrlib	BSD	=
busybox	<u>GNU GPL v2</u>	-
bzip2	BSD	
cjson	MIT	
devmem2	<u>GNU GPL v2</u>	
expat	MIT	
ExtJS 4	Sencha Commercial License	
fcgi	<u>fcqi</u>	
freetype	FreeType License	
gnupg-1.4.7	<u>GNU GPL v2</u>	
gpgme	GNU LGPL v2.1	
i2c-tools	<u>GNU GPL v2</u>	
ifplugd	<u>GNU GPL v2</u>	
jpeg	libjpeg	
json4lua	MIT	
lihassuan	GNILLGPLV 2-1	Ŧ
	Close	

Figure 20. License Information Dialog Box

For a list of license packages, see the *Network Ports and License Information* guide on the Extron **website**.

- 2. To view a copy of a listed package license, click the link in the License column of the desired package. A copy of the package license opens in a separate page.
- 3. Click the **Close** button to close the dialog box.

Firmware Updates

To upload firmware to the CCI Pro 700, use the internal web page or the Toolbelt software. For information on Toolbelt, see the *Toolbelt Help File*. To upload firmware to the CCI Pro 700 with the internal web page, perform the following steps:

- 1. If necessary, download new firmware to a computer on the same network as the CCI Pro 700 (see Firmware Download on page 25).
- 2. Open the internal web page in a browser (see Web Page Access on page 20).
- **3.** In the Firmware Uploader panel, click the **Browse** button. The File Upload dialog box opens.

NOTE: Valid firmware files have a .eff file extension.

- 4. Navigate to the file location and select the applicable firmware file.
- 5. Click the **Open** button. The dialog box closes.
- 6. Click the **Upload** button.

Reference Information

This section contains reference information. Topics in this section include:

- Mounting
- Network Port Requirements
- Button Replacement
- Reset Modes
- Firmware Download

Mounting

The CCI Pro 700 can be placed on a flat surface such as a tabletop.

Network Port Requirements

See the Network Ports and License Information guide on the Extron website.

Button Replacement

The six function buttons (see **figure 2**, **(C)** on page 5) and optional buttons (see **figure 2**, **(E)**) come installed in the CCI Pro 700, but any or all of these buttons can be replaced if they are assigned different functions when the device is customized.

The interface ships with the following default set of buttons installed:

- Redial and Flash (optional buttons)
- **Display On** (function button)
- **Display Off** (function button)
- PC (function button)
- Laptop (function button)
- Video (function button)
- Display Mute (function button)

The interface also ships with the following pairs of black optional buttons that can be used to replace the **Redial** and **Flash** buttons:

- Camera / Share Camera / Contacts
- blank / blank

Those buttons cannot be ordered separately from the interface.

NOTE: One blank function button is the same height as the default buttons to act as an unlabeled function button. The other blank function button is level with the interface surface when installed to keep from being pressed.

Other, additional replacement function buttons come in pre-packaged kits or can be ordered individually. For a complete list of available options, see **www.extron.com**.

To replace button labels, perform the following:

- 1. Remove the CCI Pro 700 from the base (see Rear Panel Access on page 6).
- 2. Disconnect power from the CCI Pro 700.
- **3.** Remove the seven screws from the rear panel.



Figure 21. Rear Panel Screws

- 4. Remove the front panel.
- 5. Place the front panel face down and remove the desired buttons.





6. Insert the replacement buttons.

NOTE: Ensure the buttons are positioned correctly. Align the rubber pegs on the buttons with the holes on the back of the front panel to temporarily hold the buttons in place.

- 7. Reconnect the front panel with the same seven screws removed in step 3.
- 8. Reconnect the power to the CCI Pro 700.
- 9. Reattach the CCI Pro 700 to the base.

Reset Modes

The recessed **Reset** button (see **figure 5**, **()** on page 7) on the rear panel resets the interface according to the table below. If necessary remove the interface from the base (see **Rear Panel Access** on page 6). Use an Extron Tweeker or small screwdriver to press and release the button.

	Reset Mode Summary			
Mode	Purpose	Activation	Result	
ry Firmware	Use this mode to revert to the factory default version if a firmware update failed or if incompatibility issues arise with user-loaded firmware.	 Hold in the recessed Reset button for 30 seconds while applying power to the interface. Keep holding the button down until the LED momentarily turns off then turns back on, then release the button. The LED blinks quickly. Upload new firmware to the unit. 	 The device reverts to the factory default firmware. Firmware reverts to the factory default for a single power cycle. All user files and settings (drivers, audio and video adjustments, IP settings, and so on) are maintained. NOTE: If you do not want to update the firmware or you performed thin 	
Use Facto		reset, update the device with the latest firmware version. DO NOT operate with the firmware version that results from this mode reset. This temporarily resets the device to factory default until power is recycled. To use factory default firmware, upload that version again.	reset by mistake, cycle power to the device to return to the firmware version running prior to the reset.	
ings	Use this mode to reset all IP settings back to factory defaults.	1. Hold down the Reset button until the Reset LED blinks two times (over approximately 6 seconds).	 IP settings revert to factory defaults: DHCP turns off. IP address is set to 192 168 254 251 	
Reset All IP Sett		2. Release then press the Reset button momentarily (<1 second) within one second. After a few moments, the Reset LED blinks three times in quick succession. The unit performs a power cycle and reboots.	 Subnet mask is set to 152.166.254.251. Subnet mask is set to 255.255.255.0. Gateway address is set to 0.0.0.0. All other IP settings (for example, domain and host name) are set to factory default values. 	
Defaults	Use this mode to restart with the default configuration.	1. Hold down the Reset button until the Power LED blinks three times (over approximately 9 seconds).	The device reverts to the factory defaults except for firmware.IP settings reset as detailed above.	
Reset to Factory L		2. Release then press the Reset button momentarily (<1 second) within one second. The unit performs a power cycle and reboots.	 All user configurations are reset to default values including IP settings and real-time adjustments. All user-loaded files (such as GUI layout and button configurations) are deleted. 	

IMPORTANT NOTES:

- The factory configured password for this device has been set to the device serial number. Passwords are case sensitive. Performing a Reset to Factory Defaults sets the password to extron.
- DHCP is off by default.

Firmware Download

- 1. On the Extron **website**, hover over the **Download** tab and select the **Firmware** link from the drop-down list. The **Download Center Firmware** page opens.
- **2.** Navigate to the CCI Pro 700.
- **3.** Ensure the available firmware version is a later version than the current one on the device.

NOTE: The firmware release notes provide details about the changes between different firmware versions. The file can be downloaded from the same page as the firmware.

4. Click the **Download** link to the right of the CCI Pro 700.

NOTES:

- You must have an Extron Insider account and log in to that account to download either firmware or software.
- A Release Notes file, giving information on what has changed in the new firmware version, is available for download from on the same page.
- **5.** Submit required information and follow on-screen instructions to start the download. Note where the file is saved.
- 6. From the save location, open the executable (.exe) file.
- 7. Follow the instructions on the firmware upgrade Installation Wizard screens to install the new firmware on the computer.
- 8. See Firmware Updates on page 21 for firmware installation considerations.

Extron Warranty

Extron Electronics warrants this product against defects in materials and workmanship for a period of three years from the date of purchase. In the event of malfunction during the warranty period attributable directly to faulty workmanship and/or materials, Extron Electronics will, at its option, repair or replace said products or components, to whatever extent it shall deem necessary to restore said product to proper operating condition, provided that it is returned within the warranty period, with proof of purchase and description of malfunction to:

USA, Canada, South America, and Central America:

Extron Electronics 1230 South Lewis Street Anaheim, CA 92805 U.S.A.

Europe:

Extron Europe Hanzeboulevard 10 3825 PH Amersfoort The Netherlands

Africa:

Extron South Africa 3rd Floor, South Tower 160 Jan Smuts Avenue Rosebank 2196, South Africa

Asia:

Extron Asia Pte Ltd 135 Joo Seng Road, #04-01 PM Industrial Bldg. Singapore 368363 Singapore

China: Extron C

Extron China 686 Ronghua Road Songjiang District Shanghai 201611 China

Japan:

Extron Electronics, Japan Kyodo Building, 16 Ichibancho Chiyoda-ku, Tokyo 102-0082 Japan

Middle East:

Extron Middle East Dubai Airport Free Zone F13, PO Box 293666 United Arab Emirates, Dubai

This Limited Warranty does not apply if the fault has been caused by misuse, improper handling care, electrical or mechanical abuse, abnormal operating conditions, or if modifications were made to the product that were not authorized by Extron.

NOTE: If a product is defective, please call Extron and ask for an Application Engineer to receive an RA (Return Authorization) number. This will begin the repair process.				
USA:	714.491.1500 or 800.633.9876	Asia:	65.6383.4400	
Europe:	31.33.453.4040 or 800.3987.6673	Japan:	81.3.3511.7655	
Africa:	27.11.447.6162	Middle East:	971.4.299.1800	

Units must be returned insured, with shipping charges prepaid. If not insured, you assume the risk of loss or damage during shipment. Returned units must include the serial number and a description of the problem, as well as the name of the person to contact in case there are any questions.

Extron Electronics makes no further warranties either expressed or implied with respect to the product and its quality, performance, merchantability, or fitness for any particular use. In no event will Extron Electronics be liable for direct, indirect, or consequential damages resulting from any defect in this product even if Extron Electronics has been advised of such damage.

Please note that laws vary from state to state and country to country, and that some provisions of this warranty may not apply to you.