Polycom® CX8000 for Microsoft® Lync® Setup Sheet

The Polycom® CX8000 for Microsoft® Lync® is a comprehensive visual collaboration solution that is based on Microsoft Lync 2013 software and market-leading hardware from Crestron® and Polycom for optimized conference room experience. The CX8000 for Microsoft Lync solution provides full-featured unified communications that include video, voice, interactive content sharing, presence, and chat from one touch screen interface.

Two CX8000 systems are offered. The Polycom CX8000 for Microsoft Lync Front-of-Room solution, including the Crestron Base Kit, is perfect for small to medium conference rooms. The Polycom CX8000 for Microsoft Lync 360 solution, including the Crestron Base Kit and Polycom CX5100 solution, is ideally suited for medium to large sized conference rooms, executive offices, and huddle rooms.

For additional information about the CX8000, see the Polycom CX8000 support page at http://support.polycom.com/support/cx8000. For information about the Polycom CX5100, refer to *Setting Up the Polycom CX5100 or CX5500 System*.

1 Preparation

A Verify Contents

Before starting installation, check the system package contents. Included items are listed in the following table. Retain all documents and parts supplied for use in the installation process.

DESCRIPTION	PART NUMBER	QTY
Touch Screen, Color, 10”	TS-1051-C-B-S	1
Camera, USB, Fixed, 2 Megapixel	CCS-CAM-USB-F-100	1
Cable, USB 2.0, Series "A" to "B", MALE, 3' (1 m)	CBL-USB-A-B-3	1
CCS, Cable, Audio, 3.5 mm to (2X) RCA, 3' (1 m)	CBL-AUD-3MM-RCA-3	1
Cable, VGA to DVI, 30' (~10 m)	CBL-VGA-DVI-30	1
Cable, HDMI to DVI, 30' (~10 m)	CBL-HD-DVI-30	1
Cable, HDMI to DVI, 3' (1 m)	CBL-HD-DVI-3	1
Cable, HDMI to DVI, 20' (~6 m)	CBL-HD-DVI-20	1
Cable, CAT6, 14' (~4.3 m)	CBL-CAT6-14	1
CCS, Cable, Sleeve, Expandable, Wrap, 1/2” x 33” (13 x 838 mm) L, Blk	CBL-SLEEVE-EXPAND-WRAP 1/2-33-B	2
Crestron Collab Sys, Unified Comm, Codec, MSLYNC	CCS-UC-CODEC-100	1*
Crestron Collab Sys, SPK, Sound Bar, Blk	CCS-SPK-SB-100-B	1*
Wall Mount Kit: CCS-TS-6500	CCS-TS-6500-WMK	1*
3 Cable Assembly	CBL-HD-ASSY	1
Accessory Bracket Assembly	CSA-BRKT-100-0-ASSY	1*
Codec Mounting Bracket, Right	N/A	1*
Codec Mounting Bracket, Left	N/A	1*
Sound Bar Bracket	N/A	1*
Camera Bracket	N/A	1*
Cable Tray	N/A	1*
Shelf Mount Bracket	Included with codec	1
Rack Mount Bracket	Included with codec	2
Power Pack For Ethernet	PWE-480SU	1
1' (~0.3 m) LAN Cable	CBL-CAT6-1	1
Cable, USB 2.0, Series "A" to "B", MALE, 10' (1 m)	CBL-USB-A-B-10	1

* Mounting hardware included

B Tools Required

Installation requires the use of a #1 or #2 Phillips screwdriver as well as a socket wrench with 1/2” and 7/16” sockets.

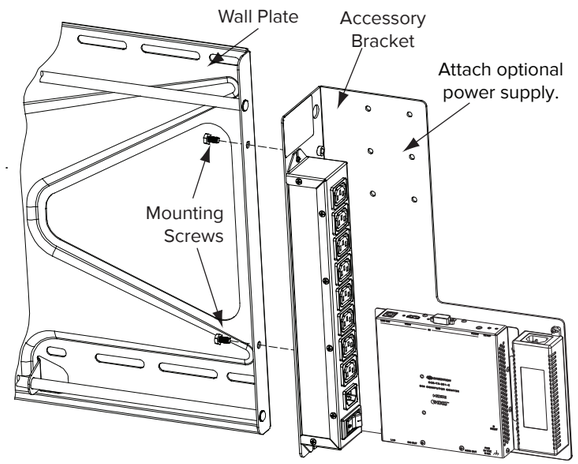
2 Installation

Mounting hardware is packaged with the parts and assemblies to be attached.

Typical CCS-UC-100-0 installation procedures for 55" to 70" displays are provided in steps A through H. For detailed information about the CCS-TS-6500 Tilting Wall Mount, refer to the included CCS-TS-6500-WMK Installation Guide (Doc. 7511). Alternate mounting procedures for the CCS-UC-CODEC-100 are provided in step I.

A Install Accessory Bracket Assembly

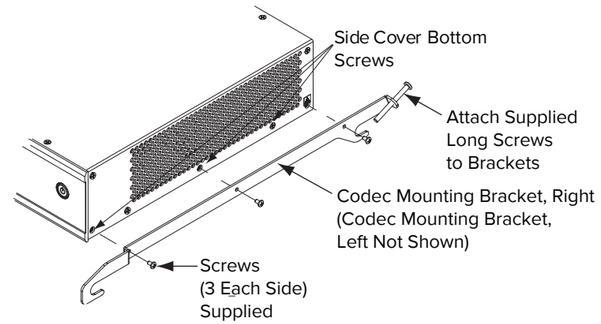
1 Use the supplied 1/4-20 x 1/2" mounting screws to attach the accessory bracket assembly to the wall plate (part of the CCS-TS-6500 Wall Mount Kit).



2 If necessary, a power supply for a customer-provided monitor can be attached to the accessory bracket in the area indicated in the illustration above, using the two plastic tie wraps (supplied).

B Install Mounting Brackets on Codec

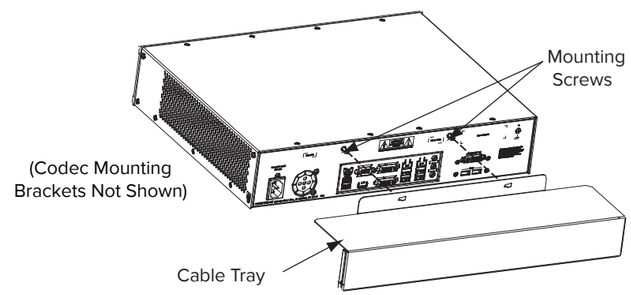
1 Remove three side cover bottom screws from each side of the codec and discard them.
2 Attach right and left codec mounting brackets to codec using the supplied screws.



C Install Cable Tray

Attach the supplied cable tray to the rear of the codec as follows:

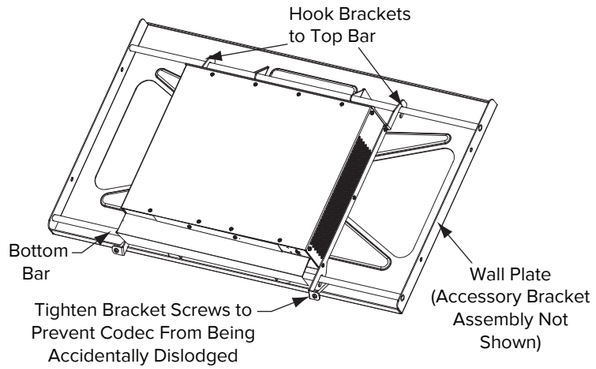
1 Attach all interface and power cables to the rear of the codec, including those that connect to the CCS-TX-201-C and PoE injector mounted on the accessory bracket assembly. Refer to the connection details on page 3.
2 Route the cables right or left toward their intended termination point, and bundle them with plastic tie wraps as necessary.
3 Loosen the two screws indicated in the illustration below approximately 1/4” (6 mm).
4 Mount the cable tray on the screws, slide the tray to the right to engage the keyhole slots, and tighten the screws.



Installation (Continued)

D Attach Codec to the Wall Plate

1. Hook the mounting brackets attached to the codec to the top bar of the wall plate.
2. With the brackets resting against the bottom bar, tighten the bracket screws so that they extend under the bottom bar to secure the codec in position.



E IEC Power Adaptor Cables

Several power cords and adapters are supplied to enable connection of certain system components to the accessory bracket assembly power strip IEC-style connectors. Refer to the following descriptions and illustrations:

- Codec to power strip with an IEC C14 to C13 power cord (2038314)
- Samsung display to power strip with an IEC C14 to C5 power cord (2038244)
- Lumio overlay to power strip with an IEC C14 to C13 power cord (2038314) and a C14 to C7 adapter (2038241)
- Sound Bar to power strip with an IEC C14 to C13 power cord (2038314) and a C14 to C7 adapter (2038241)
- PoE power unit to power strip with an IEC C14 to C13 power cord (2038314)

Two outlets in the power strip are available for a customer to add a second display and touch screen. Cables of the proper type and length for this are supplied by an installer.

F Attach Display to the Wall Plate

At least two qualified people should perform the mounting procedure. Personal injury and property damage can result from dropping or mishandling the flat panel.

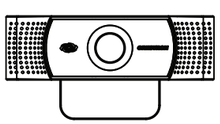
If desired, attach the display (not supplied) to the wall plate as described in the CCS-TS-6500-WMK Installation Guide (Doc. 7511).

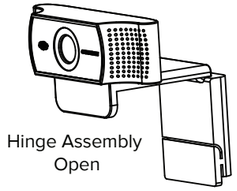
G Sound Bar Mounting

Mount the sound bar on a wall or on a horizontal surface. Refer to the Alternate Mounting Configurations in the Quickstart Guide (Doc. 7560) supplied with the sound bar.

H Camera Mounting

The camera includes a built-in hinge assembly. With the hinge closed, the camera may be placed on a flat surface. With the hinge open, the camera may be placed on the top of the system display using the hinge assembly to grip the front frame of the display. Refer to the illustrations below.


Hinge Assembly Closed

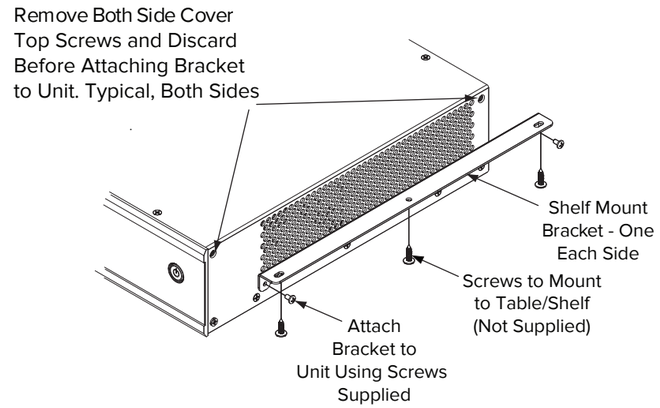

Hinge Assembly Open

I Alternate Codec Mounting

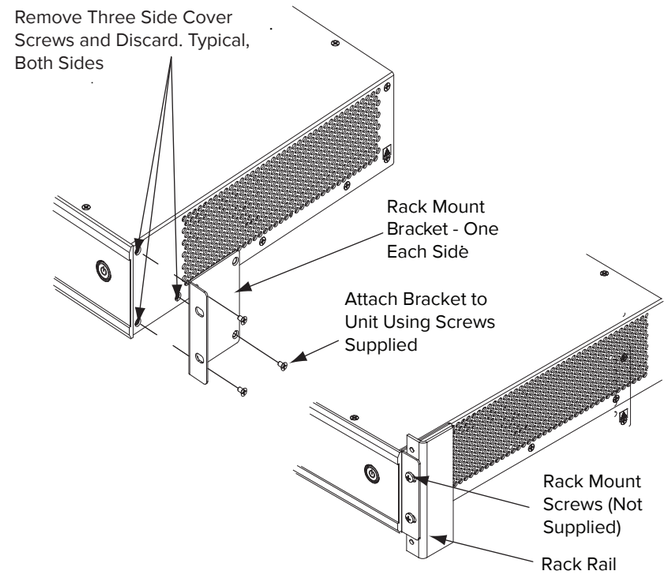
The following information applies only to installations in which the codec is not to be attached to a wall plate.

Table/Shelf Mounting

Locate unit position and mounting holes under the table/shelf using the supplied mounting template.



Rack Mounting



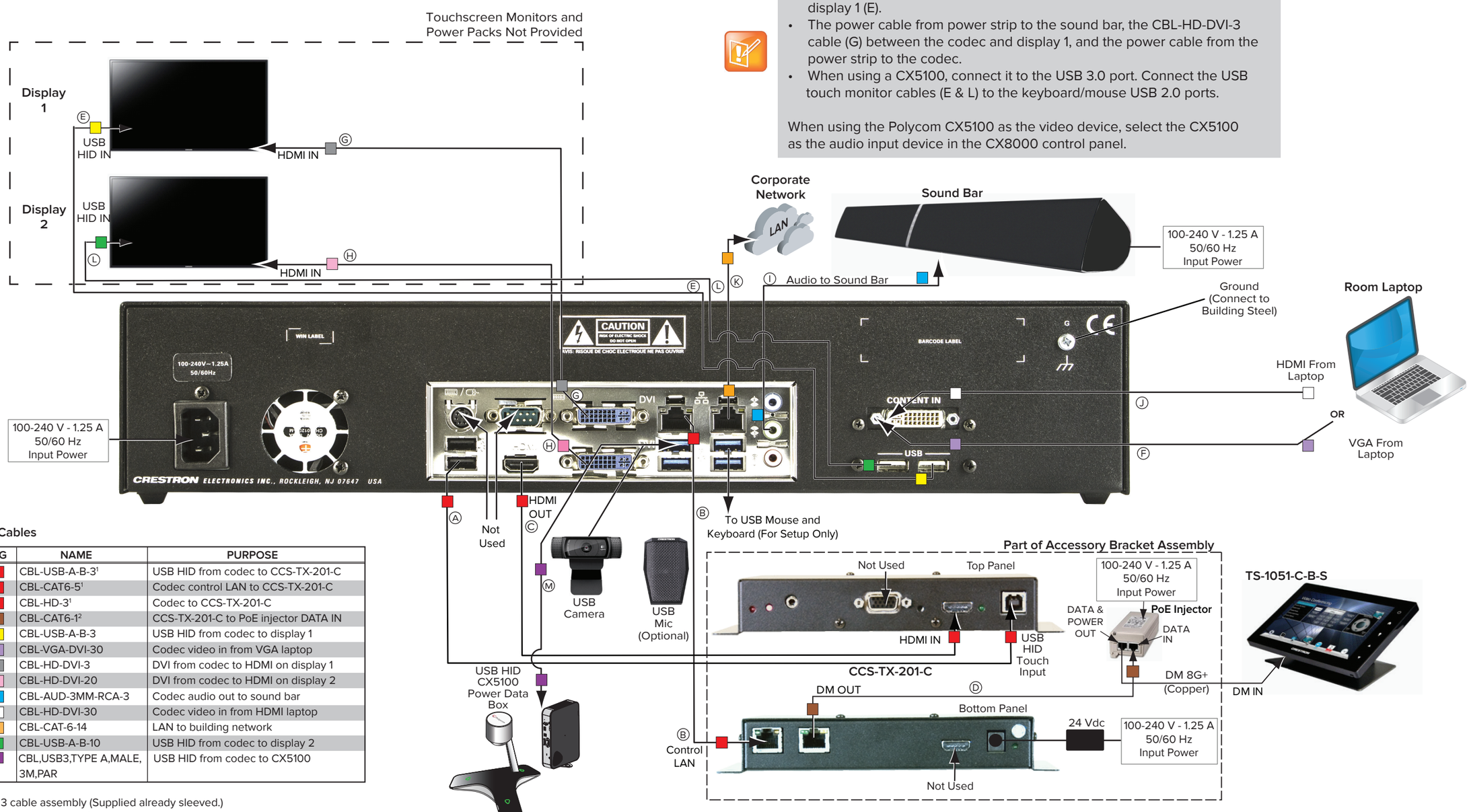
3 Hookup (Typical)

For information about installing the Polycom CX5100, refer to *Setting Up the Polycom CX5100 or CX5500 System*.

Use the two supplied pieces of CCS-CBL-SLEEVE-EXPAND-WRAP to enclose cables as follows:

- The power cable from the USB camera, and the USB HID from the codec to display 1 (E).
- The power cable from power strip to the sound bar, the CBL-HD-DVI-3 cable (G) between the codec and display 1, and the power cable from the power strip to the codec.
- When using a CX5100, connect it to the USB 3.0 port. Connect the USB touch monitor cables (E & L) to the keyboard/mouse USB 2.0 ports.

When using the Polycom CX5100 as the video device, select the CX5100 as the audio input device in the CX8000 control panel.



Supplied Cables

CODE	TAG	NAME	PURPOSE
A		CBL-USB-A-B-3[1]	USB HID from codec to CCS-TX-201-C
B		CBL-CAT6-5[1]	Codec control LAN to CCS-TX-201-C
C		CBL-HD-3[1]	Codec to CCS-TX-201-C
D		CBL-CAT6-1[2]	CCS-TX-201-C to PoE injector DATA IN
E		CBL-USB-A-B-3	USB HID from codec to display 1
F		CBL-VGA-DVI-30	Codec video in from VGA laptop
G		CBL-HD-DVI-3	DVI from codec to HDMI on display 1
H		CBL-HD-DVI-20	DVI from codec to HDMI on display 2
I		CBL-AUD-3MM-RCA-3	Codec audio out to sound bar
J		CBL-HD-DVI-30	Codec video in from HDMI laptop
K		CBL-CAT-6-14	LAN to building network
L		CBL-USB-A-B-10	USB HID from codec to display 2
M		CBL,USB3,TYPE A,MALE, 3M,PAR	USB HID from codec to CX5100

1. Part of 3 cable assembly (Supplied already sleeved.)
2. Part of accessory bracket assembly

4 Initial Setup

Prerequisite Items from the Lync System Administrator

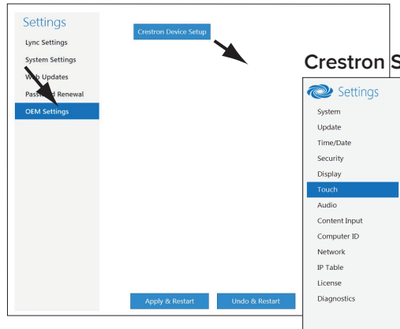
- A working Office 2013 Lync account that has been tested with a non-domain attached PC to be used as the Lync room system's account.
- If used, a valid root certificate for the Lync network on a USB flash drive (for example, root.cer).
- A USB keyboard and mouse for setup only.
- (Optional) A valid Outlook® Web Access (OWA) account for non-domain attached PCs. This may not need to be used, but should be on hand.

Procedures

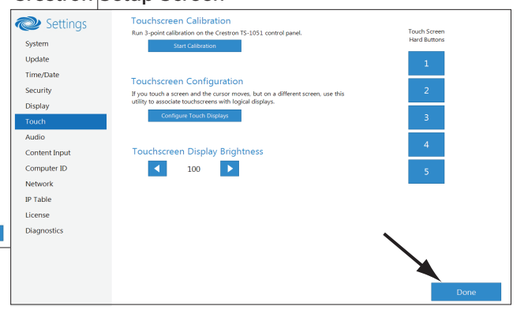
Once the hardware is installed and all appropriate hookup connections are completed, including a USB keyboard and mouse for setup procedures, apply power to the system.

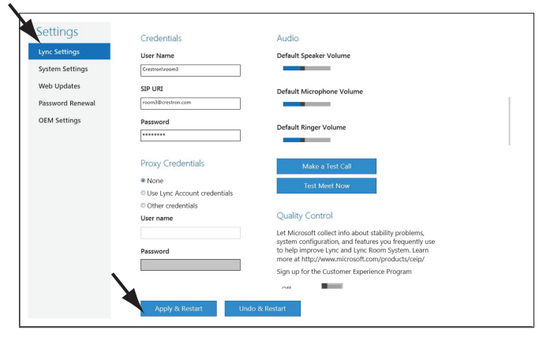
1 The TS-1051-C-B-S displays a login screen. Enter the default administrator password `Crestron12345678#` to log in.
2 Click the **Accept** button on the End User License Agreement screen that appears. A second EULA is displayed. Click **Accept** on this screen to close it.
3 When the Microsoft LRS (Lync Room System) configuration screen appears, click the OEM Settings tab, and then click the **Crestron Device Setup** button to open the Crestron setup screen.
4 Click the Time/Date tab and select the proper time zone from the drop-down menu, and then set the time and date of the installation. The Lync server does not allow the client to authenticate if the time zone is incorrect.
5 Click the Touch tab, and then click the **Configure Touch Displays** button to run the Windows® touch screen setup utility. Follow any on-screen instructions. Upon completion, touch control is functional on the TS-1051-C-B-S control display and any other touch displays attached to the system.
6 To use a root certificate for the Lync network, install a USB flash drive containing the root certificate into a USB port on the rear of the codec. Touch the Security tab, then touch **Import**. A standard Windows dialog box opens. Navigate to the certificate on the USB Flash drive, select it, and touch **Open**. A message appears saying the import was successful. Touch the **Done** button on the bottom of the setup screen. The display returns to the Microsoft LRS configuration screen.
Alternatively, if attaching the codec to a domain, touch **Computer ID**, touch the **Domain** button, enter the domain name, and touch **Join**.
7 Touch the Lync Settings tab. Obtain the necessary Lync credential information from the site IT department and enter it into the User Name, SIP URI, and Password fields. The user name is in the format `domain\username` and the SIP URI is in the format `username@domain.com`.
If NOT domain attached, enter the name and password only.
8 Touch the **Apply & Restart** button at the bottom of the screen.
9 The system reboots to the LRS screen and all displays should have the correct information. (This may take 30 - 40 seconds.)
10 If it is necessary to change any settings, touch **Options** in the lower right corner of the 10" touch screen. On the menu that appears, touch **Settings**.
11 On the authentication screen that appears, enter the administrator user name and password for the system, and touch **Authenticate**. The system reboots and a login screen appears on the 10" touch screen.
12 Continue, following the procedures given in steps 3 through 8 above as necessary.

LRS Configuration Screen



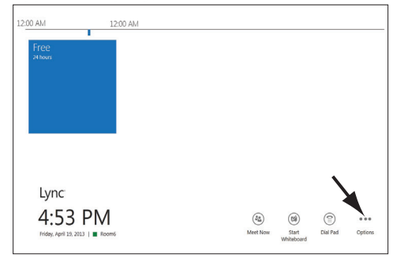
Crestron Setup Screen



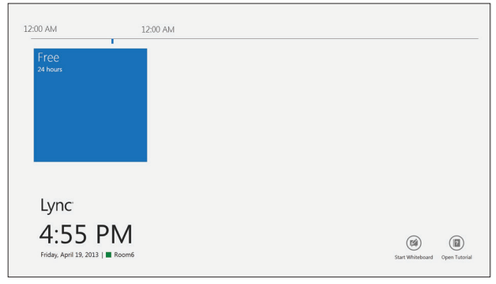


Whenever a display change is made, repeat the step 5 procedure to ensure that the touch inputs are properly configured. Otherwise, it is possible for touch inputs from both the large screen and the control display to control the cursor on the control display.

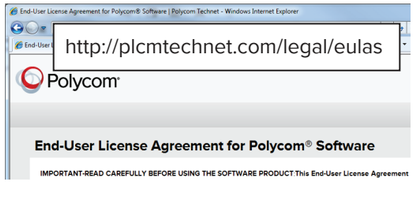
Typical Display, 10" Touch Screen



Typical Display, 65" Touch Screen



Product Documentation



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