Before you begin, make sure that your ceiling can support up to 2 lbs (.9 kg).
Setting up the Polycom HDX Ceiling Microphone Array for Polycom HDX Systems, SoundStructure C-Series Systems, and TPX HD 306M Systems

10’ (3.1 m) non-plenum straight-through (use between wall plate and codec only; do not use for any other application)

50’ (15.2 m) plenum crossover (use between electronics enclosure and codec, between electronics enclosure and wall plate, or between two electronics enclosures)

Note: If you are creating your own cables, refer to the Integrator’s Reference Manual for Polycom HDX Systems for cable pin-outs. You can find this document at www.polycom.com/videodocumentation.
For added safety when removing the ceiling tile at a later time, securely attach the electronics enclosure to the ceiling supports using suitable wire or other hardware appropriate for your ceiling type and in accordance with local regulations. Be sure that the length of wire you use to secure the electronics enclosure is short enough to prevent the enclosure from striking the person removing the ceiling tile.
2 (cont.) For suspended ceilings

To attach the electronics enclosure, use suitable hardware for your ceiling type. Align the enclosure so that, when the Microphone Array is attached, the dot on the Microphone Array points towards the main display as shown in step 7.

3 For ceilings that are not suspended

4 For suspended ceilings
4 (cont.) For suspended ceilings

b

For Polycom HDX Systems

~ 10' (3.1 m)

50' (15.2 m)

For Polycom HDX Systems (cont.)

50' (15.2 m)

~ 10' (3.1 m)

For Polycom SoundStructure C-Series Systems

50' (15.2 m)

~ 10' (3.1 m)
For Polycom TPX HD 306M Systems, you must position the two Ceiling Microphone Arrays relative to the multipurpose table. Therefore, before installing the first Ceiling Microphone Array, you must use the measurements at the right to determine the placement of the credenza and the multipurpose table in your room.

When determining the placement of the Ceiling Microphone Arrays, you must ensure that:

- The left Ceiling Microphone Array will be 2 ft (61 cm) to 3 ft (91 cm) to the left of the vertical centerline of the multipurpose table, and will be no more than 6 inches (15 cm) from the horizontal centerline of the multipurpose table.

- The right Ceiling Microphone Array will be 2 ft (61 cm) to 3 ft (91 cm) to the right of the vertical centerline of the multipurpose table, and will be no more than 6 inches (15 cm) from the horizontal centerline of the multipurpose table.

Each X in the illustration above shows approximately where the Ceiling Microphone Arrays should be placed.
e (cont.) For Polycom HDX 9000 Systems

For Polycom HDX 9000 Systems

HDX 9000 Systems

10' (3.1 m)

RJ-45 to Walta connector adapter

RJ-45 to Walta connector adapter

For Polycom HDX 8000 Systems

HDX 8000 Systems

10' (3.1 m)

RJ-45 to Walta connector adapter

For Polycom HDX 4000 Systems

HDX 4000 Systems

10' (3.1 m)

RJ-45 to Walta connector adapter

For Polycom SoundStructure C-Series Systems

SoundStructure C-Series Systems

10' (3.1 m)

C-LINK2
4 (cont.) For suspended ceilings

For Polycom TPX HD 306M Systems

For more information, refer to the Polycom TPX HD 306M Installation Guide.

5 For ceilings that are not suspended

For Polycom HDX Systems

For Polycom SoundStructure C-Series Systems

Refer to step 4c on page 6 for information about Ceiling Microphone Array placement.

For Polycom TPX HD 306M Systems
5 (cont.) For ceilings that are not suspended

b For Polycom HDX 9000 Systems

HDX 9000 Systems

For Polycom HDX 8000 Systems

RJ-45 to Walta connector

100-240VAC 50/60Hz 2.3A

HDX 4000 Systems

For Polycom HDX 4000 Systems

For Polycom SoundStructure C-Series Systems

HDX 4000 Systems

SoundStructure C-Series Systems

RJ-45 to Walta connector adapter

C-LINK2
5 (cont.) For ceilings that are not suspended

For Polycom TPX HD 306M Systems

6

For more information, refer to the Polycom TPX HD 306M Installation Guide.

7

For Polycom HDX Systems and for SoundStructure C-Series Systems that are being used with a video conferencing system: You must point the dot (located on the band around the middle of the microphone ball) towards the main display.

For Polycom SoundStructure C-Series Systems that are not being used with a video conferencing system and for TPX HD 306M Systems: You must point the dot (located on the band around the middle of the microphone ball) towards the front of the room.

8

<table>
<thead>
<tr>
<th>These systems...</th>
<th>Support up to this many Ceiling Microphone Arrays...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polycom HDX 9000 Series</td>
<td>Four</td>
</tr>
<tr>
<td>Polycom HDX 8000 Series</td>
<td>Three</td>
</tr>
<tr>
<td>Polycom HDX 4000 Series</td>
<td>Three</td>
</tr>
<tr>
<td>Polycom SoundStructure C12 and C16</td>
<td>Four</td>
</tr>
<tr>
<td>Polycom SoundStructure C8</td>
<td>Two</td>
</tr>
</tbody>
</table>
For information about how to optimally place the microphones to send stereo audio for Polycom HDX or SoundStructure Systems, refer to the Administrator’s Guide for Polycom HDX Systems or the Sound-Structure Design Guide. For information about how to optimally place components in a TPX HD 306M room, refer to the Polycom TPX HD 306M Installation Guide. All of these documents are available at www.polycom.com.
Setting up the Polycom HDX Ceiling Microphone Array Extension Kit for Polycom HDX Systems, SoundStructure C-Series Systems, and TPX HD 306M Systems

Note: If you are creating your own cables, refer to the Integrator’s Reference Manual for Polycom HDX Systems for cable pin-outs. You can find this document at www.polycom.com/videodocumentation.
For added safety when removing the ceiling tile at a later time, securely attach the electronics enclosure to the ceiling supports using suitable wire or other hardware appropriate for your ceiling type and in accordance with local regulations. Be sure that the length of wire you use to secure the electronics enclosure is short enough to prevent the enclosure from striking the person removing the ceiling tile.
2 (cont.) For suspended ceilings

To attach the electronics enclosure, use suitable hardware for your ceiling type. Align the enclosure so that, when the Microphone Array is attached, the dot on the Microphone Array points towards the main display as shown in step 6.

3 For ceilings that are not suspended

To attach the electronics enclosure, use suitable hardware for your ceiling type. Align the enclosure so that, when the Microphone Array is attached, the dot on the Microphone Array points towards the main display as shown in step 6.
For Polycom HDX Systems and SoundStructure C-Series Systems

4

25’ (7.6 m)
(Do not use the non-plenum straight-through 10’ (3.1 m) cable)

For Polycom TPX HD 306M Systems

5

25’ (7.6 m)
(Do not use the non-plenum straight-through 10’ (3.1 m) cable)

IMPORTANT: For TPX HD 306M installations, the Ceiling Microphone Arrays must be cabled as follows:
Use the 25 ft (7.6 m) cable to connect the Ceiling Microphone Array on the left (when facing the credenza) to the Ceiling Microphone Array on the right.
Use the 50 ft (15.2 m) cable to connect the Ceiling Microphone Array on the right to the codec.

For Polycom TPX HD 306M Systems

6

For Polycom HDX Systems and for SoundStructure C-Series Systems that are being used with a video conferencing system: You must point the dot (located on the band around the middle of the microphone ball) towards the main display.

For Polycom SoundStructure C-Series Systems that are not being used with a video conferencing system and for TPX HD 306M Systems: You must point the dot (located on the band around the middle of the microphone ball) towards the front of the room.
For information about how to optimally place the microphones to send stereo audio for Polycom HDX or SoundStructure Systems, refer to the Administrator’s Guide for Polycom HDX Systems or the Sound-Structure Design Guide. For information about how to optimally place components in a TPX HD 306M room, refer to the Polycom TPX HD 306M Installation Guide. All of these documents are available at www.polycom.com.