HelixNet® Partyline
Quick Start Guide

The following quick start guide provides basic installation instructions for your HelixNet Partyline system, and provides a quick reference to possible topologies and cable capacitance. It covers the following products:

- HelixNet Main Station (HMS-4X)
- HelixNet Beltpack (HBP-2X)
- HelixNet Interface Modules (HLI-2W, HLI-4W2, HLI-ET2 and HLI-FBS)

Note: For information about the HelixNet Remote Station and the HelixNet Speaker Station with S-Mount bracket, see the HelixNet Partyline User Guide.

1.1 Before installing

To ensure that HelixNet Partyline delivers the desired performance, review the cable specifications for the venue or application space before installing. To safely interface two-wire and four-wire audio source with HelixNet Partyline, use the optional two-wire (HLI-2W2) and four-wire (HLI-4W2) interface modules.

Warning: HelixNet Partyline operates at a different voltage than two-wire partyline systems (such as Clear-Com Encore or PL-Pro). Do not connect any analog two-wire partyline equipment to the Main Station powerlines as severe damage may occur.

1.2 Installing the Main Station

To install the HelixNet Partyline Main Station:
1. Connect the supplied power cord to the HMS-4X Main Station power connector (A).
2. Connect the power cord to mains power.
3. Connect the cable from a powerline port to the XLR-3 port on the HBP-2X Beltpack (C).
4. Connect the headset to the HBP-2X Beltpack (D).

1.3 Installing Interface Modules

To install an interface module to the HMS-4X Main Station:
1. Disconnect the HMS-4X Main Station from mains power.
2. Remove the blanking plate (E) and insert the interface module (F) into the module bay.
3. Reconnect the HMS-4X Main Station to mains power.

To configure the interface module, navigate to Menu > Module S.
1.4 Quick reference to topologies

1.5 Quick reference to cable capacity and distance

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Cable type</th>
<th>Gauge (AWG)</th>
<th>Style</th>
<th>Attenuation / 100m</th>
</tr>
</thead>
<tbody>
<tr>
<td>Belden</td>
<td>9463f</td>
<td>20</td>
<td>Std</td>
<td>16 dB</td>
</tr>
<tr>
<td>Belden</td>
<td>9207</td>
<td>20</td>
<td>Std</td>
<td>9 dB</td>
</tr>
<tr>
<td>Belden</td>
<td>1533P</td>
<td>24</td>
<td>Cat5e</td>
<td>11 dB</td>
</tr>
</tbody>
</table>

Clear-Com recommends Belden 9207 for fixed installation, and Belden 9463F for portable installations.

Tip: The attenuation of a cable increases with distance, and this can impact audio quality. If your priority is audio quality, experiment with attaching one or two fewer devices to each line. For in-depth cabling advice, contact your Clear-Com representative.

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