

# HelixNet<sup>®</sup> 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

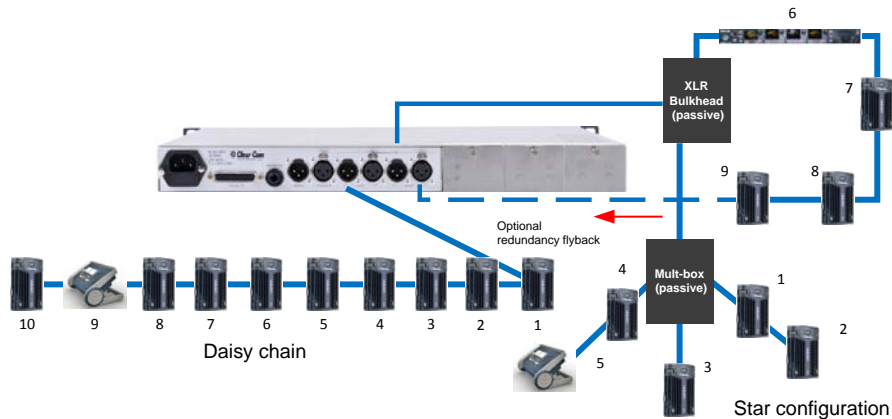
To install an interface module to the HMS-4X Main Station:

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 5**

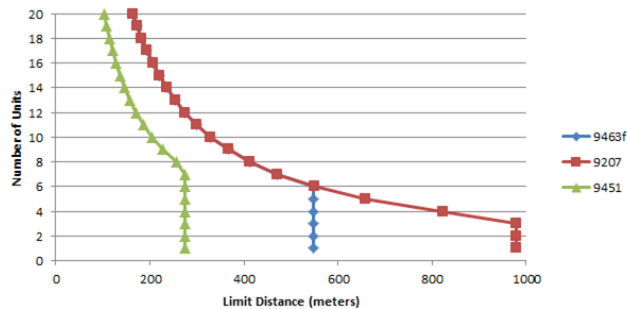
## 1.4 Quick reference to topologies



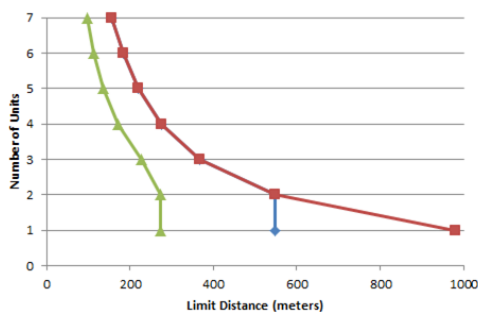
## 1.5 Quick reference to cable capacity and distance

Manufacturer	Cable type	Gauge (AWG)	Style	Attenuation / 100m
Belden	9463f	20	Std	16 dB
Belden	9207	20	Std	9 dB
Belden	1533P	24	Cat5e	11 dB

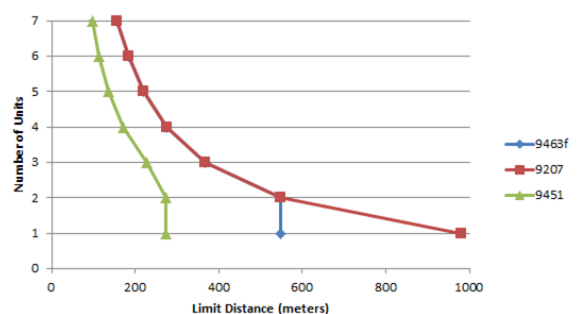
Beltpack Limit Distances



Speaker Station Limit Distances



Remote Station Limit Distances



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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