HelixNet® Partyline

Quick Start Guide

The following quick start guide provides basic installation instructions for your HelixNet Remote and Speaker Station. It also provides a quick reference to possible topologies and cable capacitance.

Before installing

To ensure that HelixNet Partyline delivers the desired performance, review the cable specifications for the venue or application space before installing.

⚠️ **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.*

Installing a Remote Station or Speaker Station

1. Connect a powerline XLR-3 port on the Remote/Speaker Station (**A**) to a powerline XLR-3 port on a Main Station. (**D**)

Or

Connect an Ethernet port on the Remote/Speaker Station (**B**) to an Ethernet port on an HMS-4X HLI-ET2 option module (**C**)

2. Connect a headset or microphone to the Remote/Speaker Station.
3. Connect power supply to the DC power port on the Remote/Speaker Station (**E**). (Not necessary if using Powerline or PoE).
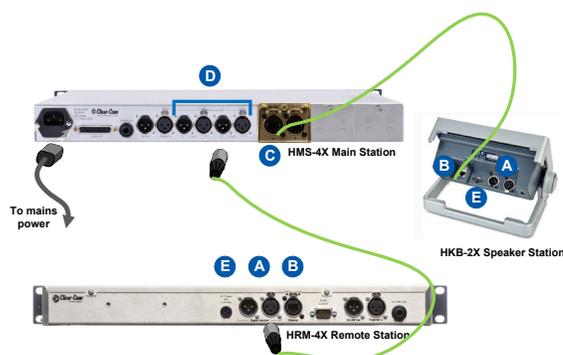

## Installing a Speaker Station in a wall box

1. Connect the Digital Intercom screw terminals (**A**) on the Speaker Station to a powerline XLR-3 port on an HMS-4X (**B**).

Or

Connect an Ethernet port on the Speaker Station to an Ethernet port on an HMS-4X HLI-ET2 option module. External switches including PoE switches can be used.

2. Connect a headset or microphone to the Speaker Station.
3. If required, remove the connector from the optional power supply and connect the power supply to the Power screw terminals on the Speaker Station.
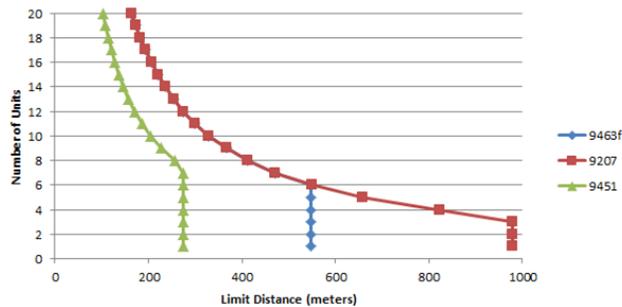

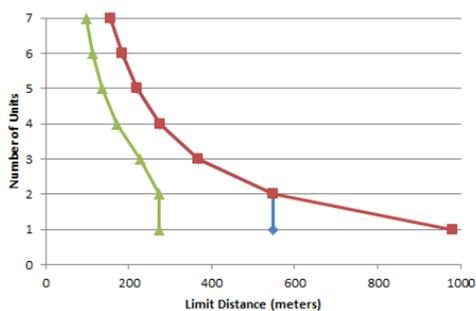| XLR-3	Screw Terminal
1*	5*
2	4
3	2

PSU	Screw Terminal
0V	1
48V	2

* Use cable shield

Clear-Com®
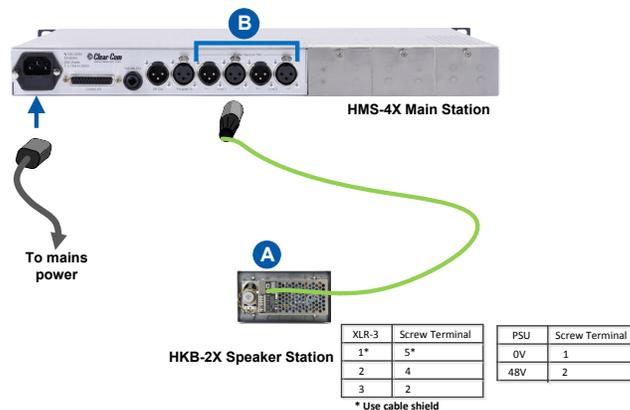
Quick reference to topologies
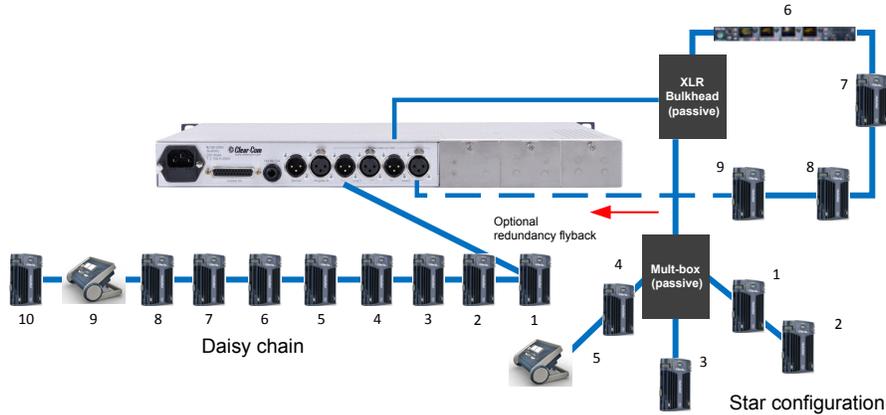
Quick reference to cable capacity and distance

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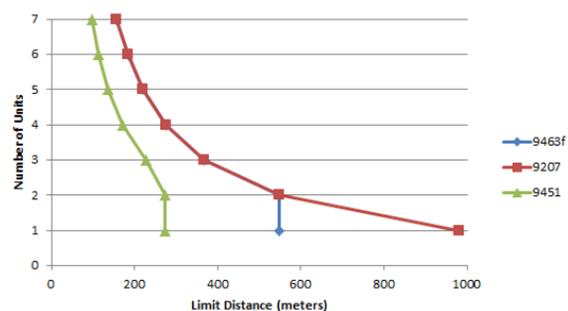
Clear-Com recommends Belden 9207 for fixed installation, and Belden 9463F for portable installations.

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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