Linking People Together

HLI-2W2

Key Features and Benefits

Interface

- 2-Wire Interface module for HMS-4X
- Auto Nulling
- Level and VOX control
- Clear-Com / RTS call and RMK signaling

The HelixNet System

- Networked Intercom System
- Flexible Cabling
- 12 partyline channels. Expandable to 24 channels via optional license
- Program Audio distribution with independent level

Effortless Management

- Fast front panel control and configuration
- Easy to use CCM browser configuration tool using optional HLI-ET2
- Plug-and-go installation with hardwire auto-discovery
- Central upgrades automatically managed from main station

HelixNet is a fully networked partyline intercom, supporting up to 24 channels and independent program audio over XLR, LAN and WAN.

Description

HelixNet's HLI-2W2 is a dual 2-wire partyline interface module for the HMS-4X main station.

Interfacing

HLI-2W2's 2-wire analog partyline interface are assignable to any channel in the HelixNet system and provide connectivity to powered Clear-Com or RTS analog partyline systems. Level control and VOX/Gate capability is provided for each interface to accommodate the connected device.

HLI-2W2 include call signaling and remote mic kill circuits when used with compatible Clear-Com and RTS partyline devices.

Pin	Function
1	Ground
2	Power (Option for RTS mode: power and audio)
3	Audio

Clear-Com®
AN HME COMPANY

Technical Specifications

Connectors
XLR Powerline: (2) Powerline, each with 3 pin XLR-F

Partyline
Maximum Level Before Clipping: 6dBu
Nominal Input Level: -18dBu (C-C), -12dBu (RTS)
Input Impedance: >= 10KΩ bridging

Route to 4-wire input at 0dBu in:
Frequency Response: 100 Hz - 10 kHz ±3dB
Distortion: <0.2% THD @ 1kHz
Noise: <-55dBu

Route from a 4-wire output at 0dBu out:
Frequency Response: 40 Hz - 10 kHz ±3dB
Distortion: <0.2% THD @ 1 kHz
Noise: <-75dBu
Auto-nulling and Echo Cancellation
Clear-Com/RTS Selectable

Termination: External
Power: 30V max external

Dimensions
2.2 x 7.4 x 1.5 in (HxWxD)
(57 x 187 x 39 mm)

Weight
13 oz (0.38 kg)

Network Specifications

Network Protocols
IPv4 – Unicast Audio and Control
mDNS – Multicast Device Discovery
Layer 3 routable with mDNS function limitations
WavPack – Audio Codec

Network Ports
Unicast:
Port 80 TCP –System Management
Port 6001 TCP – System Management
Port 6001 UDP - Audio Streams

Multicast:
Port 5353 UDP – mDNS, Names, Discovery

Network Parameters
Endpoint resource use: 1 per active port

Bandwidth:
300 (max) kbps from each active port to HMS
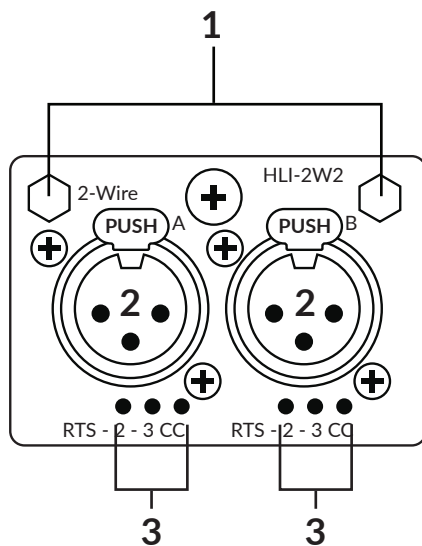1200 (max) kbps from HMS to each active port

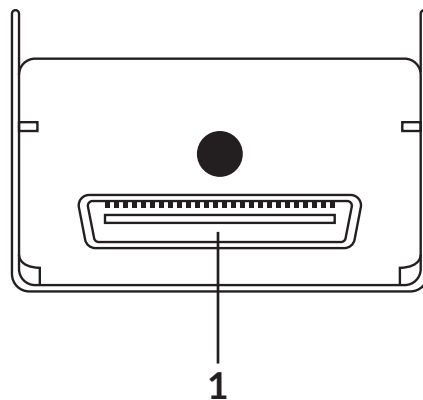**QoS tags:**
DSCP=46, High Priority / Expedited Forwarding
(EF) System reserved IP range: 10.0.0.0/8 for
endpoints

HLI-2W2 Front

HLI-2W2 Back

Legend

Front
1. Handle Mounting Point
2. 3-pin XLR-F Connectors
3. Status Indicators

Back
1. Blade Connector to HelixNet Main Station option slot

Order Code
HLI-2W2