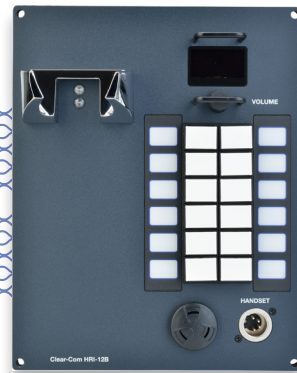# IKB-12P Industrial Intercom Station

Digital Partyline Solutions

IKB-12P

Linking People Together

Key Features and Benefits

- Clear, intelligible digital audio
- Up to 64 Intercom Stations per system
- Configure up to 40 call buttons per station*
- Plug-and-go installation with hardware discovery
- Audible and visual call signaling
- Web-browser configuration editor
- IP-65 rating**

The Industrial Intercom Station is an easy-to-use intercom device that enables users to send and receive digital partyline audio with audible and visual call signaling.

Description

The IKB-12P is a single-channel digital partyline in tercom station that has 12 call buttons, a loud alert buzzer, and a rotary knob for controlling volume and menu navigation. Using a HelixNet HMS-4X main station and the browser-based software configuration tool, up to 64 IKB-12P intercom stations can be individually controlled and configured using an Ethernet connection. Each call button can be assigned a profile to determine that button's functionality. If more call buttons are required, an additional 28 can be added via a custom expansion panel for a total of 40 call buttons. An IKB-12P can be wall-mounted or placed in a dedicated desktop unit.

Operation

Each IKB-12P station is programmed by the browser-based CCM configuration tool embedded in a HelixNet HMS-4X main station that has been installed with v2.1 software. The HMS-4X with v2.1 connects up to 64 IKB-12P intercom stations using an HLI-ET2 Ethernet module and Power-over-Ethernet (PoE) switch. When the IKB-12P is connected via the PoE switch, it will display the profile assigned to the intercom station. Using the IKB-12P's profile setting, the user can assign the functionality of each call button on the front panel.

*via user commissioned custom expansion panel

**when properly flush-mounted to a wall, with good perimeter seals or in a "Hoffman" style box

*CCM is only available in software v3.0 and requires HLI-ET2 or HLI-FBS for access.

Technical Specifications

Connectors
Handset: 4-pin male XLR
Ethernet/PoE: RJ-45

Microphone Pre-Amplifier
Handset Mic Impedance: 200 Ohms, Dynamic
Mic Limiter Range: >35dB
Mic Gain: 60dB, Dynamic
Frequency Response: 400Hz – 8kHz, + 3dB (contoured for intelligibility)
Distortion: <0.5% THD @ 1kHz
Noise: < -55dBu, Dynamic

Earphone Amplifier
Load Impedance: >32 Ohms Output
Level: +1 dBu before clipping
Sidetone: -6dB (selectable)

Specified for a route from a 4-wire input @0dBu in:
Max Gain: 12dB **Noise:** <-65dBu (@ max gain)
Headphone Limiter: -0dBu, Selectable

Power
Power Requirements: 9W DC
Voltage Range: 30 – 60V

Ethernet
Fast Ethernet Standard: 100 BaseT only, Auto MDIX

Environmental
Humidity: 0 – 95%, relative
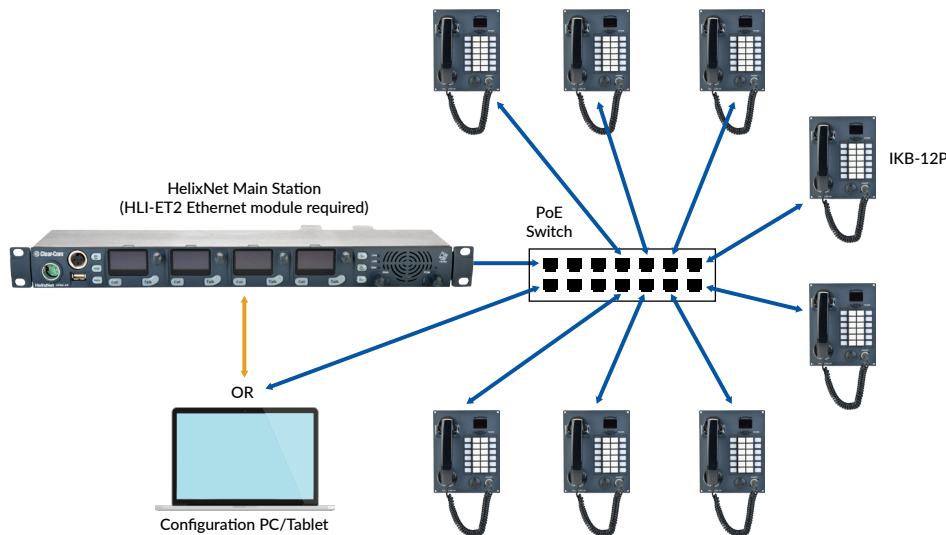**Temperature:** -14°F to +131°F (-10°C to +55°C)

Dimensions
8 in. W x 10 in. H x 3.6 in. D (203mm x 254mm x 93mm)

Weight
27.9 oz (0.79 KG)

Industrial Intercom Station Network

HelixNet Main Station
(HLI-ET2 Ethernet module required)

PoE Switch

IKB-12P

OR

Configuration PC/Tablet

Legend

Ethernet CAT 5/6
(100m max from switch)

Direct connection to Main Station second LAN port
(100m max distance from PC)

Order Codes

At least one of each of the following must be ordered for a complete system:

IKB-12P: Industrial Intercom Station
HS-6: Handset
HCS.2.1.0: Firmware and Manuals
HMS-4X: HelixNet Main Station
HLI-ET2: Ethernet Module

Other required system components (not supplied by Clear-Com):

- *PC/Tablet with Ethernet connection and current web browser*
- *PoE Switch(es)*
- *CAT5/6 Ethernet Cables*