

Fiber Optic Isolated Intercom System

INCX-2101/2201

For Outdoor Fiber Optic Intercom Applications

The **Litelink**® INCX-2101 & 2201 is a high quality fiber optic intercom specifically designed for insulated bucket operations.

The INCX-2101, Local (cab) Intercom Transceiver Unit, utilizes Push-to-talk operation, is powered by the vehicle and contains the remote battery charging unit. This unit has an input for audible alarm, so that a tip sensor output can be utilized.

INCX-2201, Remote (bucket) Intercom Transceiver Unit, has hands free operation and is powered by an external battery unit, BATT-12-07.

Both units contain integrated speaker & microphone, power & volume controls, optical transceiver enclosed in rugged weatherproof metal enclosures. Indicators provide link status as well as battery charge conditions.



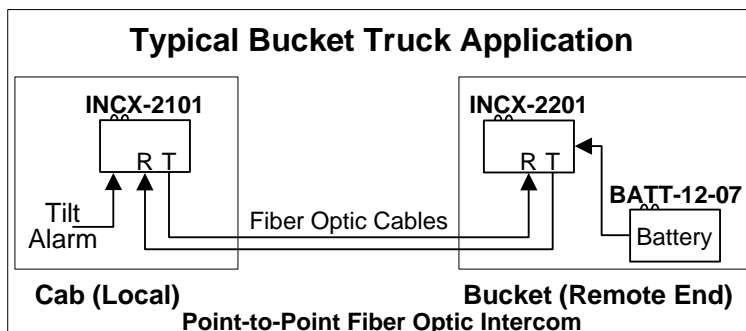
Technical Specifications

Important Features

| | |
|---------------------------|-------------------------------------|
| Audio Bandwidth (minimum) | 300 to 3500 Hz (+0,-3dB) |
| Audio Input | Integral Microphone |
| Audio Output | 10 watts peak Speaker |
| Controls | Power, Push-to-Talk, Volume |
| Indicators | Battery State, Link, Power |
| Operating Wavelength | 850 nm |
| Optical Fiber | Rugged tactical cable |
| Electrical Isolation | 10KV/inch (fiber cable alone) |
| Optical Output Power | -16dBm (multimode) |
| Optical Loss Budget | 0-13dB (multimode) |
| Optical Connectors | Industry standard ST |
| External Alarm Input | 11-16 VDC @ 100 mA |
| Operating Temperature | -35° to +75°C |
| Humidity | <95% non condensing |
| MTBF (per MIL HBK 217D) | >120,000 hours |
| Power Requirements | 11-16 VDC @ 150 mA |
| Battery Life | 24 hours before recharging |
| Physical Size (mm) | 7.0" (178) x 5.0" (127) x 2.5" (64) |

- **Fiber Optics Provides 10KV/foot High Voltage Isolation**
- **Rugged Weatherproof Housing**
- **Hands Free Operation at Remote End**
- **Battery Powered at Remote End**
- **Distances of up to 1000 feet possible**

Note that all specifications are subject to change without prior notice.



Ordering Information

INCX-2101-1 "Local" Unit
INCX-2201-1 "Remote" Unit

BATT-12-07 External Battery

CAB-BATT-01 Battery/Slave
Power Cable

CAB-PWR-02 External Power
Cable

CAB-2U-55-SS-028 90'
Tactical Fiber Optic Cable
Other Lengths Available

Litelink®
Fiber Optic Transmission Systems

www.LiteLink.com
USA 516-931-2800

INCX-2101, Local (cab) Intercom Transceiver Unit



INCX-2201, Remote (bucket) Intercom Transceiver Unit

