

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.



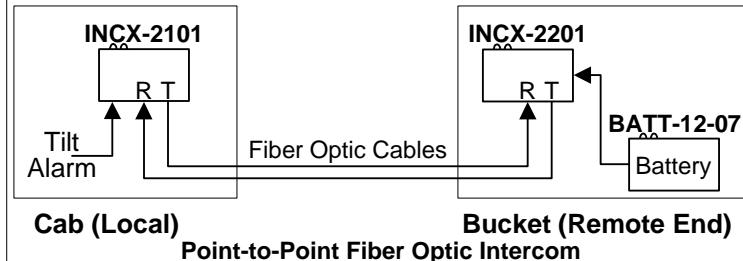
Technical Specifications

Important Features

Audio Bandwidth (minimum)	300 to 3500 Hz (+0,-3dB)	• Fiber Optics Provides 10KV/foot High Voltage Isolation
Audio Input	Integral Microphone	• Rugged Weatherproof Housing
Audio Output	10 watts peak Speaker	• Hands Free Operation at Remote End
Controls	Power, Push-to-Talk, Volume	• Battery Powered at Remote End
Indicators	Battery State, Link, Power	• Distances of up to 1000 feet possible
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)	

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

Typical Bucket Truck Application



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

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Fiber Optic Transmission Systems

www.LiteLink.com
USA 516-931-2800

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INCX-2201, Remote (bucket) Intercom Transceiver Unit



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