

## WARRANTY & LIABILITY

All fiber optic transmission systems, products and accessories manufactured by Liteway, Inc. and its subsidiaries are fully tested prior to shipment and are warranted against defective materials and workmanship for a period of five full years from the date of the original shipment. Should a problem occur, a Return Material Authorization Number (RMA) must be obtained from Liteway Inc. at (516) 931-2800 and the item returned to Liteway, Inc. 166 Haverford Road, Hicksville, NY 11801, USA, prepaid. Liteway Inc. will then, at its option repair or replace the defective item.

Liteway, Inc. maximum liability under this warranty is limited to the cost of the defective item only. No contingent liabilities of any kind are either assumed or implied.

Any items returned to Liteway, Inc. that have been misused, abused, damaged, modified, connected or adjusted in any way contrary to the instructions furnished by Liteway, Inc. or repaired by unauthorized personnel will not be covered by this warranty. Any non-warranty repairs required will be quoted at the current rate for such services.



### Important Notices



#### **CAUTION ! AVOID DIRECT EXPOSURE TO BEAM.**

All -5, -7, -8, and -9 Models use laser diodes. These solid-state laser diodes are located in the optical ports of these units. Laser diodes produce invisible radiation that may be harmful to human eyes. Never look directly into the optical port of any fiber optic unit designed to operate with single-mode optical fiber.

#### **NOT FOR LIFE SUPPORT SYSTEMS**

Liteway, Inc. does not authorize or warrant any of its standard products or accessories for use in critical life support systems or applications of any kind. Please contact us for this critical specialty equipment.

## OPERATING INSTRUCTIONS

**Litelink®**

### Industrial Wired Intercom System Models INCX-1101, INCX-1201



Remote (Bucket) INCX-1201

Local (Cab) INCX-1101

The INCX-1101 & INCX-1201 form a weatherproof intercom system for industrial point-to-point applications. The local intercom is push to talk while the remote intercom is 'hands free' making the system ideal for non-insulated bucket truck. The local unit has an alarm input (e.g. tilt alarm) which sounds alert to both units.

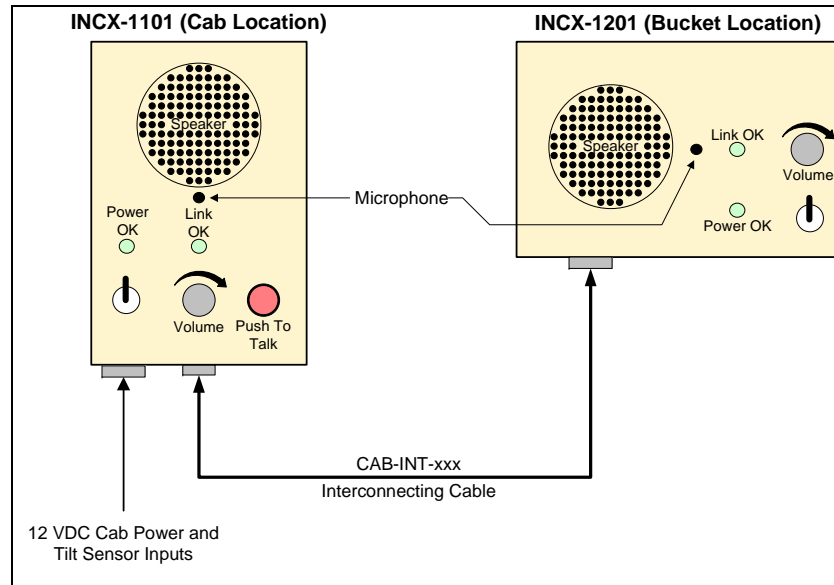
#### Technical Specifications

Audio Bandwidth:	200 Hz to 5 KHz
Audio Input/Output:	Integral speaker and microphone
Audio Output:	6 watts peak maximum
Bucket Controls:	Power, Volume
Cab Controls:	Power, Volume, Push-to-Talk
Bucket Indicators:	Power, Link
Cab Indicators:	Power, Link
Operating Temperature:	-35° to +75°C
Power Requirements:	12 VDC nominal
Bucket Battery Life:	24 hours (typical) per charge.
Physical Size (mm):	6.0 "(153)L x 5.0"(128)W x 3.0"(76)D

All specifications are subject to change without prior notice.

# Installation Instructions

The diagram below shows the location of the various controls as well as the typical interconnecting and power connections for the INCX-1101/1201. For proper operation, the INCX-1101/1201 units should be connected exactly as shown. Note that the INCX-1101 is the Cab Unit and the INCX-1201 is the Bucket Unit.



## Remote (Bucket) Intercom Connections:

All operating power for the bucket unit is obtained through the interconnecting cable between the two units.

## Local (Cab) Intercom Connections:

The CAB-PWR-02 cab power cable contains 3 wires to be connected as follows:

Wire Color	Function (3 position Power Connector)
Red or Brown	+12 volt supply
Black or Blue	12 volt return or ground
Green or White	Alarm When this wire is connected to +12 volts (i.e. through an external tilt switch), the bucket and cab intercom units will sound an audible alarm

## Interconnecting Cable:

The INCX 1101/1201 is designed to operate with rugged, tactical multi-conductor cable. The specific recommended cable is Liteway CAB-INT-xxx which is approximately xxx meters long. Custom lengths are available on special order.

## Operating Controls and Indicators

**Power:** Turns operating power on and off on INCX-1101 only.

**Power Indicator:** Green indicator shows operating power present

**Volume:** This control sets the received audio volume. Note that it cannot be set to totally eliminate all audio.

**Link Indicator:** Green indicator will light when a valid fiber optic path is present between the bucket and cab units.

**Push-to-Talk:** Pressing this switch will configure the unit so that the cab unit can talk to the bucket unit. If this switch is not pressed, the bucket unit can only talk to the cab unit.

## Hand Held Radio Interface (Optional)

This optional interface allows a waterproof hand held radio units to allow direct communications between a person at the remote location and a person a short distance from the local location.

