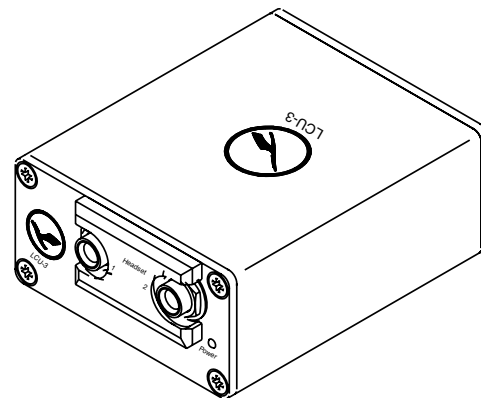


Telex

User Manual



Lufthansa LCU-3 Communication Unit

TELEX®

Proprietary Notice

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Unpacking and Inspection

Immediately upon receipt of the equipment, inspect the shipping container and the contents carefully for any discrepancies or damage. Should there be any, notify the freight company and the dealer at once.

Warranty Information

See enclosed warranty card

Customer Support

Technical questions should be directed to:

Customer Service Department
RTS/Telex
12000 Portland Ave South
Burnsville, MN 55337 U.S.A.
Telephone: (877) 392-3497
Fax: (800) 323-0498

DO NOT RETURN ANY EQUIPMENT DIRECTLY TO THE FACTORY WITHOUT OBTAINING A RETURN AUTHORIZATION.

Be prepared to provide the company name, address, phone number, a person to contact regarding the repair, the type and quantity of equipment, a description of the problem and the serial number(s).

Shipping to Manufacturer for Repair or Adjustment

All shipments of Audiocom products should be made via United Parcel Service or the best available shipper, prepaid. The equipment should be shipped in the original packing carton; if that is not available, use any suitable container that is rigid and of adequate size. If a substitute container is used, the equipment should be wrapped in paper and surrounded with at least four inches of excelsior or similar shock absorbing material. All shipments must be sent to the following address and must include the Return Authorization:

Factory Service Department
Telex Communications, Inc.
8601 East Cornhusker Hwy
Lincoln, NE 68507
Tel: 1-800-553-5992
Direct: 1-402-4675321

Upon completion of any repair the equipment will be returned via United Parcel Service or specified shipper collect.

Modes of Operation

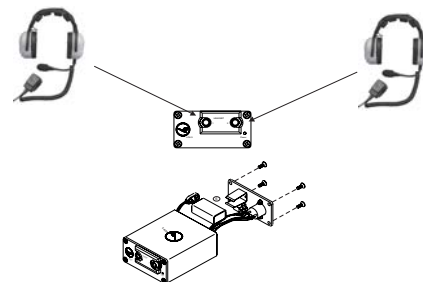


Figure 4. The LCU-3 Communication unit in battery powered mode of operation.

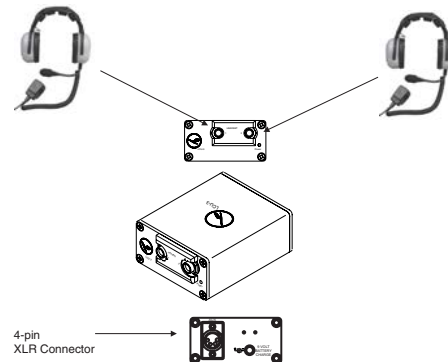


Figure 5. The LCU-3 Communication unit also can use the AUX connection to power the unit. The AUX connection can be used for a headset as well as to power the unit.

Bottom Panel: AUX, XLR, 4-pin male
Pin 1 Talk (electret pwr)
Pin 2 Listen
Pin 3 GND
Pin 4 External Power

Charger connector, 3.5 mm

T = Power

S = Chassis GND

R = Signal GND

Mechanical Specifications

Color Clear Anodized Aluminum

Weight 13.4 oz. / 381 g

Dimensions

Length 5.0 inches / 127 mm

Width 3.5 inches / 88.9 mm

Depth 1.8 inches / 45.7 mm

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Specifications

Power Requirements

Battery	9VDC 250 mAh rechargeable
External Power	12-28 VDC

Electrical Specifications

Gain (Input to Output)	+42 dBu \pm 2 dB
Frequency Response	400 -10 kHz + 1/-3 reference to 1kHz
Noise	< -40 dBu
THD%	1%
Max. Output Power	20 mW into 150 ohms

Environmental Specifications

Temperature	
Operating:	-20 to 50° C
Storage	-20 to 80° C
Humidity	0-90% non-condensing

Connectors, Controls and Indicators

Top Panel:	Headset connectors, 6.35 mm
	T = Listen
	R = Talk
	S = GND

4. AUX Connector
5. Battery Charger 3.5mm Connector
6. 9 Volt, 250 mAh battery

General Description

The LCU-3 communication unit, is a simple accessory allowing three people to communicate in full-duplex mode (i.e., talking and listening at the same time). With two headsets, it covers all situations where up to three people are working closely together as a team to complete some critical task

The LCU-3 communication unit is used with the Groundcom Headset 2002 which offers optimum hearing protection with the critical clarity needed to communicate in the airline maintenance environment.

OPERATION

All workers who are connected to the LCU-3 communication unit and use the GroundCom headset 2002 must use the PTT (push-to-talk) feature to enable their mic.

System Power

The LCU-3 communication unit is powered by a 9 Volt rechargeable battery (see figure 1). It can also be powered externally through the AUX connector

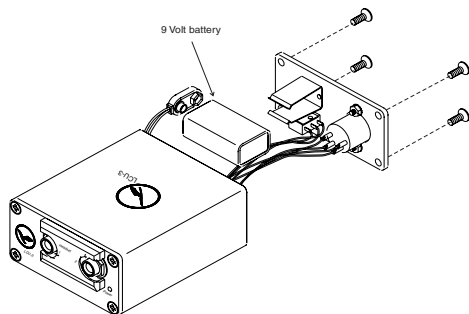


Figure 1. LCU-3 9 Volt battery placement.

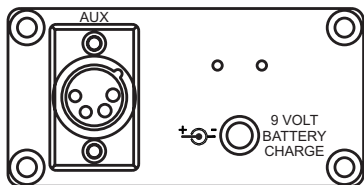


Figure 2. AUX Connector.

Controls and Connections

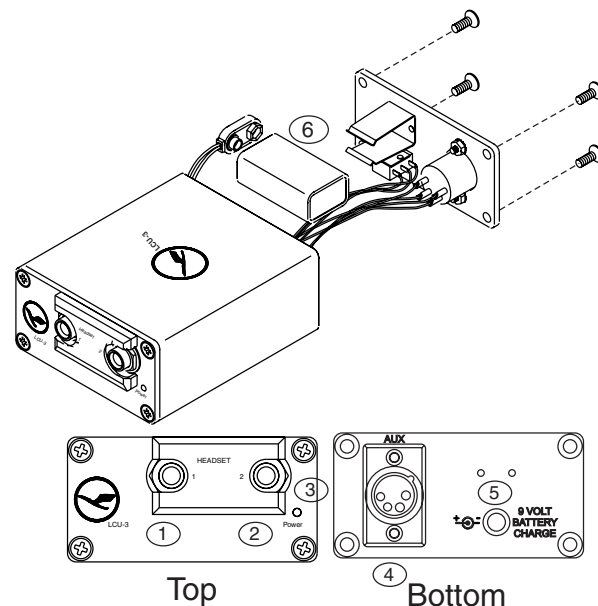


Figure 3. Connections and Controls of the LCU-3.

- 1&2. Headset connectors: The headset connector takes a 6.35mm stereo plug. When the headset is plugged into the unit, the unit automatically turns on. Conversely, when the headset is unplugged, it turns off.
3. Power ON LED: The power ON LED lights green when power is active in the product.