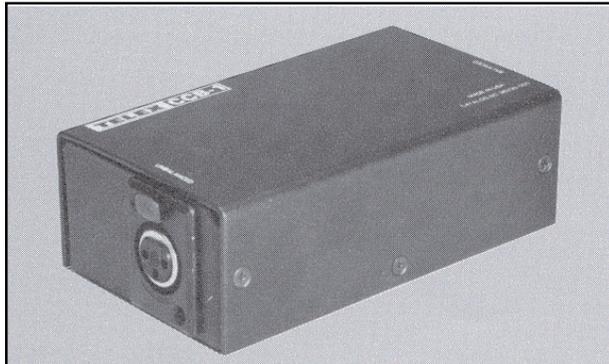


# Telex® Technical Data

## Model CCB-1 Interface



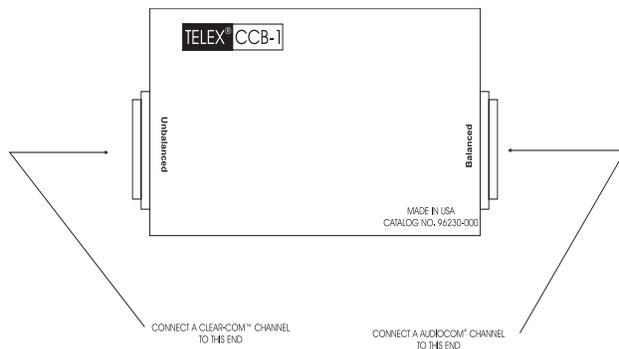
### General Description

The CCB-1 interfaces a single Audiocom® balanced intercom channel to a single Clear-Com™ unbalanced intercom channel, with full audio and light signaling compatibility between the two intercom channels. The CCB-1 has no controls and is completely transparent to intercom system operation.

### Installation and Operation

The model CCB-1 Telex/Clear-Com Interface provides impedance matching and signal conversion between one balanced Audiocom® intercom channel and one unbalanced Clear-Com™ intercom channel. It makes the two channels both audio and light-signal compatible. The CCB-1 may be powered from either intercom channel or from both simultaneously.

To use the CCB-1, connect it as shown below, and operation the intercom systems as usual.



### Ordering Information

Model CCB-1 Interface 96230-000

### Specifications

Current Requirements (with 24 VDC supply)  
Quiescent: 15mA nominal  
Signalling: 30mA nominal

#### Connectors

Clear-Com Input: 3-pin female XLR  
Audiocom® Input: 3-pin male XLR

#### Dimensions

Height = 1.75 in. (45 MM)  
Length = 5.35 IN. (136 MM)  
Width = 2.75 IN. (70MM)

#### Construction

Aluminum chassis and cover, finished in non-glaring black.

### Engineer's and Architect's Specifications

The CCB-1 shall interface a single Audiocom® balanced intercom channel to a single Clear-Com™ unbalanced intercom channel, with full audio and light signaling compatibility between the two intercom channels. The CCB-1 shall have no controls and shall be completely transparent to intercom system operation. The case shall be aluminum finished in non-glaring black. There shall be a 3-pin female XLR connector for connection of the Audiocom® intercom channel. Identification of Audiocom® and Clear-Com™ input connectors shall be clearly silkscreened on the CCB-1. In the standard configuration, the CCB-1 shall be powered from either the Audiocom® or Clear-Com™ intercom channel and shall distribute power to the other channel. The channel providing power shall be capable of powering the combined channels, and the CCB-1 shall require an additional 15 mA nominal during no-signal conditions and 30 mA nominal during light signaling. The CCB-1 shall present a bridging impedance to both intercom systems when used in the standard configuration. The CCB-1 shall also be capable of working with two powered channels, but in this configuration the terminating resistor shall be removed from one system to prevent reduced audio level chased by dual-termination of the combined system.

# TELEX®

Telex Communications Inc. • 12000 Portland Avenue South • Burnsville, MN 55337 U.S.A.

38109-339 Rev B  
06/2003