# **RadioCom**<sup>™</sup>

Telex Communications, Inc.

### IC-100 CAT. NO. 301971000 INTERCOM SOURCE ASSIGN PANEL

PN 804203

## **INSTRUCTION SHEET**

#### **General Description**

The IC-100 allows the assignment of any two of six input lines to any one of twelve two channel outputs.

In addition, the six input lines are available as a loop through output. All input are protected against transients and power crosses.

#### **Specifications**

Bridging Impedance44k Each Channel
Supply Current20ma Each Channel
Peak Pulse Capability1500W
Fuse Rating1.5A Fast Blow
Overvoltage Protection < 1.5A Indefinite Duration
Size (Approximate)H: 7.00" (177.8mm)
W: 19.00" (482.6mm)
D: 5.00" (127mm)
Weight (Approximate)10 lbs. (4.54 kg)
PatentsPending

#### **IC-100 Product Features**

- Input and output connections are compatible with BTR-1 Wireless Intercom.
- Non-shorting rotary switches allow reconfiguration without channel cross-connection.
- An active power monitor indicates the presence of power on all input lines with minimal loading.
- D sub to XLR breakout on rear panel.

#### **Inputs**

There are two ways to connect input lines to the IC-100:

- 1. Feed the lines into the 15 pin D sub connector on the rear panel marked I/C IN. The pin assignments are shown in Table 1.
- Connect a patch cable between I/C IN and EXTERNAL LINES OUTPUT on the rear panel and feed the lines into the six XLR connectors marked EXTERNAL LINES INPUT.

XLR Equivalent	D Conn Pin Number
LINE 1 PIN 2	1
LINE 1 PIN 3	9
LINE 2 PIN 2	2
LINE 2 PIN 3	10
LINE 3 PIN 2	3
LINE 3 PIN 3	11
LINE 4 PIN 2	4
LINE 4 PIN 3	12
LINE 5 PIN 2	5
LINE 5 PIN 3	13
LINE 6 PIN 2	6
LINE 6 PIN 3	14
GND	7
GND	8
GND	15

#### **Assigned Outputs**

Assigned outputs are available in two places.

- 1. The twelve six pin XLR connectors on the front panel.
- 2. The two 25 pin D sub connectors on the rear panel. The pin assignments are shown in Table 2.

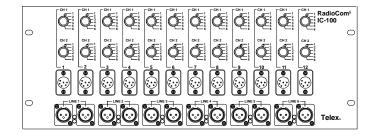
Assigned Output	XLR Equivalent	D Conn Pin Number
1 or 7	CHANNEL 1 PIN 2	16
	CHANNEL 1 PIN 3	4
	CHANNEL 2 PIN 2	17
	CHANNEL 2 PIN 3	5
2 or 8	CHANNEL 1 PIN 2	20
	CHANNEL 1 PIN 3	8
	CHANNEL 2 PIN 2	21
	CHANNEL 2 PIN 3	9
3 or 9	CHANNEL 1 PIN 2	24
	CHANNEL 1 PIN 3	12
	CHANNEL 2 PIN 2	25
	CHANNEL 2 PIN 3	13
4 or 10	CHANNEL 1 PIN 2	3
	CHANNEL 1 PIN 3	15
	CHANNEL 2 PIN 2	2
	CHANNEL 2 PIN 3	14
5 or 11	CHANNEL 1 PIN 2	7
	CHANNEL 1 PIN 3	19
	CHANNEL 2 PIN 2	6
	CHANNEL 2 PIN 3	18
6 or 12	CHANNEL 1 PIN 2	11
	CHANNEL 1 PIN 3	23
	CHANNEL 2 PIN 2	10
	CHANNEL 2 PIN 3	22

**Table 2 - Assigned Outputs** 

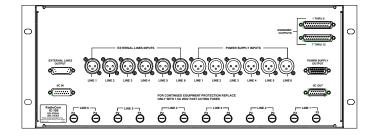
#### **Loop Through Outputs**

Loop through connections may be made in one of three ways.

- 1. Connect to the three pin XLR connectors on the front panel. Each line has two connectors available.
- 2. Connect to the 15 pin D sub connector on the rear panel marked I/C OUT. The pin assignments are the same as for the I/C IN connector.
- 3. Connect a patch cable between I/C OUT and POWER SUPPLY OUTPUT and connect to the six three pin XLR connectors marked POWER SUPPLY INPUTS.



Front View - IC-100



Rear View - IC-100

