Starcom Incorporated

ECIC-10 & ECID-10

MULTI LINE

EXTENDED CALLER ID

ECID-10

ECIC-10

Description

The multi line caller ID system is designed to simultaneously read 10 lines of extended caller identification information and display that information on 1 to 4 remote display panels.

The system consists of the ECIC-10 10 line interface, and the ECID-10 display.

The ECIC-10 is a 23" rack mount module and requires 1U (1.75") of rack space. The unit monitors 10 phone lines and sends the caller ID data to the display. Up to 4 display units may be connected to the ECIC-10.

The ECID-10 display is a 19" console mount unit that operates with the ECIC-10 and shows caller ID information for 10 telephone lines simultaneously. A history of 12 calls for each line is stored in the ECID-10.

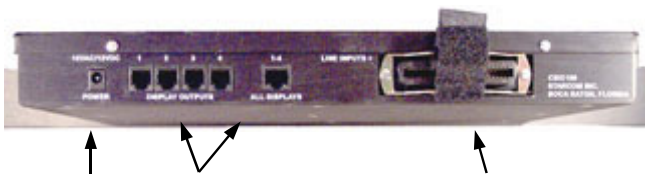
Setup

Connections

ECIC-10

The ECIC-10 uses a 50-pin amphenol connector to connect the telephone lines and displays through any standard 66 or 110 type connecting block.
If you do not want to connect the displays through the amphenol cable, you can use the modular jacks on the back of the unit.
You may connect the displays to the 4 RJ11 jacks labeled "DISPLAY OUTPUTS 1 2 3 & 4". Alternately, an RJ45 jack provides all 4 output pairs in one cable for connection thru a 103 type connecting block. This jack is labeled "ALL DISPLAYS 1-4" and uses the 568B wiring standard.

ECIC-10 REAR



ECID-10 REAR

ECID-10

Connect the display data cables from the ECIC-10 to the RJ11 modular jack on the back of the ECID-10.

Power

An AC power adapter is included with each ECIC-10 and ECID-10. Connect the adapter to the "POWER" jack on the back of each unit. Plug the adapter into a 120vac source. The green led on the front of the units will blink.

Operation

There are no adjustments or settings on the ECIC-10. The green LED on the front of the unit will flash to indicate there is power and the unit is working properly. Each line enters the unit where there is a ringing detector, an on-hook detector, and an electronic switch for disconnecting the phone from the telephone line during the first ringing period. This “first ring suppression” is used to prevent anyone from quickly answering the phone and destroying the caller ID data. From there, the data is decoded using a phase locked loop and then goes to the microcontroller for distribution to the displays.

The ECID-10 display has 2 LCD panels. Each panel has its own set of controls, and they operate the same for each panel.
Adjust the contrast and backlight for each display. The contrast adjustment is located below each scroll knob. The backlight key increases the brightness of the display each time it is pressed. When the maximum level is reached, the next press sets the backlight off. There are 16 steps total; off plus 15 levels of brightness.

The scroll knob and select switch are used together to change the displayed data.
Each of the display panels shows 5 incoming calls. The data for each call is shown on two lines as:

```
"01 mm/dd hh:mm aaa eee-nnnn mm"
"ttttttttttttttttttttttttttttt"

      01 = 2 digit line number
   mm/dd = month & day
   hh/mm = hour & minute, 24 hour format
     aaa = area code
     eee = exchange
    nnnn = number
      mm = record number (01 - 12)
       t = text name/location
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As new caller ID data arrives, it replaces the current information on the display.
While an incoming line is off hook, the 2 digit line number will be shown in reverse video.
Normally, the most recent caller information on each line is displayed. To access previous caller ID information, use the scroll knob to move to one of the lines. The record number of the selected line is shown in reverse video.
Press the select switch. The record number of the selected line will flash. Now use the scroll knob to move through the last 12 calls for that line.
Pressing the select switch again will stop the record number from flashing and puts the scroll knob back in line select mode.
If you receive an incoming call on the same line while viewing the call history, the new information will be displayed.
The call data is retained in the event of a power failure. A reset switch is located on the back of the ECID-10. It is recessed to prevent accidental erasure of the call history. If it is necessary to clear the call history, insert a small screwdriver in the hole on the back cover. Gently press the switch. All the call history data is erased.

Specifications

ECIC-10

GENERAL:

POWER: ..... 10VAC/12VDC @1AMP

SIZE: ..... 23”w x 1.75”H x 9”D

WEIGHT: 3lbs

FRONT PANEL: ..... Green LED power indicator

CONNECTIONS:

2.1MM POWER JACK

RJ11 DISPLAY JACKS 1-4

RJ48 DISPLAY JACK FOR ALL 4 DISPLAYS

AMPHENOL 50 PIN FEMALE LINE INPUT/OUTPUT JACK

ECID-10

GENERAL:

POWER: ..... 10VAC/12VDC @1AMP

SIZE: ..... 19”W x 5.25”H x 2.25”D

WEIGHT: 4lbs

FRONT PANEL:

Green LED power indicator

2x backlight switch

2x select switch

2x scroll knob

2x contrast adjust

2x LCD panel

CONNECTIONS:

2.1MM POWER JACK

RJ11 DATA INPUT JACK

RESET SWITCH, RECESSED

ACCESSORIES INCLUDED

Power supply: plug mounted, unregulated 12vac @ 1 amp output, 120vac @ 60hz input for each unit.

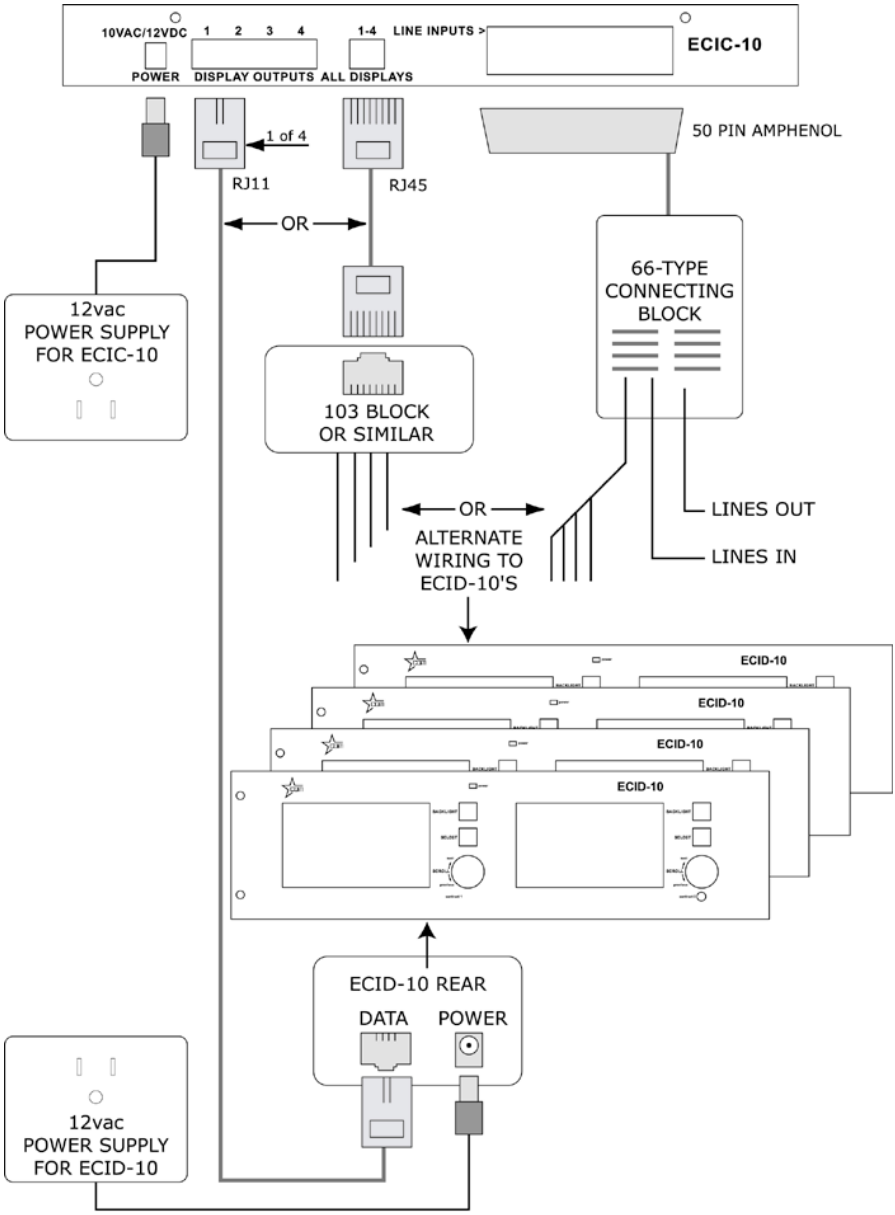
Pinouts

	PAIR	PIN	DESCRIPTION	PAIR	PIN	DESCRIPTION
ECIC-10 **50-pin AMPHENOL JACK WIRING**	1	26	Line 1 tip in	13	38	Line 7 tip in
		1	Line 1 ring in		13	Line 7 ring in
	2	27	Line 1 tip out	14	39	Line 7 tip out
		2	Line 1 ring out		14	Line 7 ring out
	3	28	Line 2 tip in	15	40	Line 8 tip in
		3	Line 2 ring in		15	Line 8 ring in
	4	29	Line 2 tip out	16	41	Line 8 tip out
		4	Line 2 ring out		16	Line 8 ring out
	5	30	Line 3 tip in	17	42	Line 9 tip in
		5	Line 3 ring in		17	Line 9 ring in
	6	31	Line 3 tip out	18	43	Line 9 tip out
		6	Line 3 ring out		18	Line 9 ring out
	7	32	Line 4 tip in	19	44	Line 10 tip in
		7	Line 4 ring in		19	Line 10 ring in
	8	33	Line 4 tip out	20	45	Line 10 tip out
		8	Line 4 ring out		20	Line 10 ring out
	9	34	Line 5 tip in	21	46	display 1 tip
		9	Line 5 ring in		21	display 1 ring
	10	35	Line 5 tip out	22	47	display 2 tip
		10	Line 5 ring out		22	display 2 ring
	11	36	Line 6 tip in	23	48	display 3 tip
		11	Line 6 ring in		23	display 3 ring
	12	37	Line 6 tip out	24	49	display 4 tip
		12	Line 6 ring out		24	display 4 ring

	PIN	DESIGNATION	PAIR	568B COLOR CODE
ECIC-10 **RJ45 JACK WIRING**	1	display 2 (T)	2	Blue or white/orange
	2	display 2 (R)	2	Orange or orange/white
	3	display 3 (T)	3	Black or white/green
	4	display 1 (R)	1	Red or blue/white
	5	display 1 (T)	1	Green or white/blue
	6	display 3 (R)	3	Yellow or green/white
	7	display 4 (T)	4	Brown or white/brown
	8	display 4 (R)	4	Gray or brown/white

	PIN	DESIGNATION	PAIR	COLOR CODE
ECIC10 & ECID10 RJ11 JACK WIRING	3	data ring	1	Red or blue/white
	4	data tip	1	Green or white/blue

Typical connections



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