



# 960CC and 960CS Communication Consoles

## Overview

The 960CC and 960CSD consoles continue to provide reliable and easy to operate communication peripherals. While the “CC” version gives the operator all the basic functions, the “CSD” offers for the first time, SELCAL, ANI and DTMF facilities in a single package. Both units have built in speaker, mic, VU meter and connections for headset, desk mic and footswitch.

The 960 CSD is the most versatile console yet produced by the Omnitronics design team. All signalling details are displayed on a two-line sixteen character backlit display. Configuration of all functions and parameters is done with a simple-to-use MS Windows program via a standard serial port. Time stamped computer logging of all transactions is included with the configuration software.

The 960CC and 960CSD consoles are fully compatible with all the other 900 series components and so systems are easily assembled and upgraded.

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## Why Communication Consoles?



### Versatility

960CSD and 960CC versions have different abilities.



### Compatibility

Both 960CC and 960CSD are compatible with other 900 series components.



### Front Panel Audio Features

Microphone, Speaker, PTT, level meter and speaker mute.



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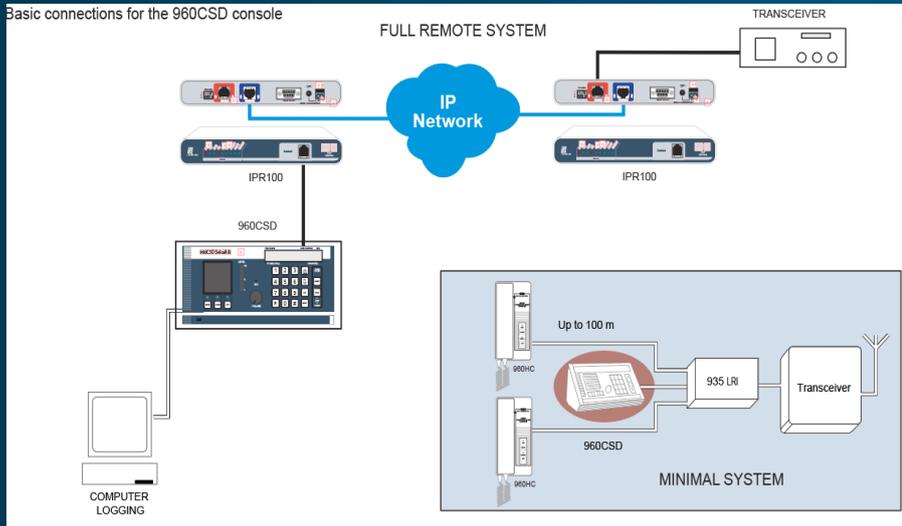


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Basic connections for the 960CSD console



## Specifications

## Features

### 960CC Features

Fully compatible with the 900 series range of OMNITRONICS peripheral interfaces; Large in-built speaker, microphone and LED VU meter; Provision for external desk microphone, headset and footswitch. (These optional items are available from OMNITRONICS); Individual preset level controls for desk mic, headset mic, headset volume and SELCAL TX level; Intercom facility; Mute control to enable/disable the loudspeaker when headset is in use.

### 960CSD SELCAL/ANI Features

Tone sequences from 4-8 tones; Encode/decode most tone sequences and tone periods down to 20 mS; STATUS entry and recognition including 2 tone period gaps; Standard command tones such as EMERGENCY, STATUS and GROUP; Extended GROUP tone format with 3 tone periods; Automatic retries and acknowledgment; ANI queue 10 calls deep; Queue mask, view only required ANI digits; Manual or automatic mute controls; Time stamped

### 960CSD DTMF Features

Generates "standard" DTMF tones for radio channel change or equipment control. Directly compatible with the OMNITRONICS "970DD" channel change decoder. Channel query, reset and "change-to-previous-channel" commands.

### Other 960CSD features

12/24 hour clock with time and date set from the front panel; Lead-in/lead-out timers; Selectable LED sequences and tone melodies to notify the operators of all events.

### CP960 Programmer

Connection to 960CSD via computer serial port. Cable provided; Designed to run on MS Windows XP and Vista.; All parameters are configurable from the programmer; All parameters are saved to a non-volatile EEPROM in the console, i.e. information retained in the event of power failure;

### 960CC Console Specifications

Operating Voltage/Current: 11 to 15 VDC. 100mA standby, 220mA full volume; In-built Audio Features: Loudspeaker, microphone, PTT and level meter; External Connections: Headset, microphone and footswitch. (Available from Omnitronics as optional extras); Other Functions: Intercom, Base Busy indicator and Mute switch; Power/Distortion: 1 watt with less than 0.5% distortion. Frequency Response: 300Hz to 3KHz (+/- 0.6dB ref 1kHz). Signal to Noise Ratio: Rx better than 70 dB, TX better than 55dB. Compressor Characteristics: Distortion 0.4% @ 20dB compression; Response time, 10mS; Recovery time, 500mS average; Dimensions (HxWxD): 125 x 270 x 140mm; Weight: 1Kg.; Operating Temp/Humidity: 0-60 deg. C/ 0-95% non-condensing.

### 960CSD Console with SELCAL/ANI and DTMF tone facilities (additional features).

SELCAL Standards: EEA, ZVEI 1,2&3, PZVEI, CCIR, EIA and DZVEI; Tone sequences and timings: 4 to 8 tones with standard periods down to 20mS; ANI Queue: up to 10 calls in the stack; Display: 2 by 16 line backlit LCD; Clock: 12/24 clock with battery backup; DTMF Tones: Standard international tone set; Configuration: All parameters are set using CP960 software running on MS Windows.

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