

## Model C-2002



# Two-line Radio Control Console

- **Police and Fire Departments**
- **Utility and Energy Companies**
- **Railroads and Airlines Industries**
- **US Forestry and BLM Agencies**

The C-2002 is a full-featured, two-line radio-tone control console encased in an attractive, durable housing. The C-2002 is a DSP designed console; additional software is not required to program the C-2002. Programming of the console is accomplished by using the DTMF keypad on the front of the console. Multiple consoles may be easily programmed by using the serial port located on the back of each console.

The C-2002's sporty vacuum fluorescent display provides channel alpha/numeric indication and features a 12/24-hour clock and audio-level meter.

The C-2002 can control two base stations, along with selecting up to 99 frequencies.

Frequency selection can be programmed in the single or dual function tone mode. Up to 8 frequency selections can be made using the F1-F8 buttons on the front of the console. Or, by pressing the channel button and corresponding DTMF keys, you can select up to 99 frequencies.

Each line offers crossmute and supervisory capability, along with a programmable squelch control feature that eliminates the unwanted noise generally associated when monitoring a line. Both RX audios are always present in the speaker unless the operator mutes the unwanted audio.

Features include: Selective call indication, Parallel console

update, Alert tone, and time duration of the PTT, audio delay, and function tones.

Each function tone is programmable from 400 Hz to 3000 Hz, along with several selectable PTT frequencies. Many level adjustments can easily be made without opening the case by using the DTMF keypad during the programming of the console. Auxiliary inputs include: External audio, DC power, PTT, and receive audio connections.

Any number of consoles can be paralleled without loading the line.

Used with our mating DSP-223 series adapter panels, the C-2002 virtually fills all your needs and requirements for controlling remote base stations.



**1-800-752-7560**

**TELEX® Communications, Inc.**

**VEGA Signaling Products**

8601 East Cornhusker Highway, Lincoln, Nebraska 68507

Phone: (402) 465-7026 • Fax: (402) 467-3279

E-mail: [vega@telex.com](mailto:vega@telex.com) • Web: [www.vega-signaling.com](http://www.vega-signaling.com)

## Front panel controls

- Monitor, Intercom and PTT
- Mute, Release and Select (per Line)
- 16 digit DTMF keypad
- Volume control (select and unselect)
- Supervisory control
- Alert Tone
- ALT Button
- Frequency Selection
- Parallel TX detect LED

## Three Simultaneous Microphones

- Handset/Headset
- Panel Mic
- Desk Mic

## Features

- Programmable Single or Dual function tones
- Up to 99 frequency control
- 2 or 4 wire (field Programmable)
- Simplex/full duplex (field Programmable)
- Programmable squelch control
- TX Monitor
- Supervisory control
- Crossmute (hardwire)
- TX and RX notch filter
- Parallel Console Update
- Programmable TX Delay

## Special features

- ◆ External PTT
- ◆ External audio input
- ◆ External DC power input
- ◆ Data port for cloning to other C-2002 consoles
- ◆ External speaker output
- ◆ Panel microphone
- ◆ Alert tone-warble
- ◆ Alignment Tone
- ◆ RX Squelch Control
- ◆ External Footswitch

## Options

Wall mount kit (part number WMK1)  
MD-MS desk microphone

## Specifications

### Line input and output impedance:

Two-Wire: 600, or 10K ohms, jumper selectable transformer isolated

Four-Wire TX Line: 600, or 1 Meg ohm, jumper selectable, transformer isolated

Four-Wire RX Line: 600 or 10K ohm jumper selectable, transformer isolated

Local Control keying: Relay rated at 1A at 125Vac, 3A at 40Vdc

**Line Input Level:** -40 dBm to +10 dBm, adjustable

**Line Output Level:** -20 dBm to +10 dBm into a 600-ohm line, adjustable (high-level guard tone only)

**Distortion:** 3% maximum at full output

**Hum and Noise:** 50 db below operating levels

**Speaker (one):** 3 in, 8 ohm, heavy-duty

**Amplifier Power:** 2 W maximum at 3% THD into an 8 ohm load or equivalent

**Optional Handset Earpiece Level:** Adjustable preset level independent of speaker volume controls

**Audio Frequency Response:**  $\pm 1$  db, 300 to 3000 Hz, except at the transmit tone notch frequency

**Tone Frequencies:** PTT/guard 2175Hz or 2300Hz, other PTT tones supported: 2100, 2155, 2325, 2600, 2800 and 2970. The monitor and frequency function tones are programmable from 400Hz, to 3000Hz up to 100 combinations, Accuracy  $\pm 1$  Hz

**Operating Temperature Range:** 0 to +70 degree C

**Power Requirements:** 117 Vac, 60Hz, 25W, or 12.0 Vdc at 1 A maximum

**Microphone Connection:** Handset and Headset are 4-wire, and the Desk microphone is 6-wire

## Warranty (Limited)

All Telex Communications, Inc. manufactured Vega signaling products are guaranteed against malfunction due to defects in materials and workmanship for three years, beginning at the date of original purchase. If such a malfunction occurs, the product will be repaired or replaced (at our option) without charge during the three-year period, if delivered to the Telex factory. Warranty does not extend to damage due to improper repairs, finish or appearance items, or malfunction due to abuse or operation under other than the specified conditions, nor does it extend to incidental or consequential damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you. This warranty gives the customer specific legal rights, and there may be other rights which vary from state to state.

*Specifications are subject to change without notice.*