

Model C-2000

Single-line Radio Control Console



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

The C-2000 is a full-featured, full function, radio-tone control console and is encased in an attractive, durable housing. The C-2000 is a DSP designed unit allowing easy field programmability using the DTMF keypad on the front of the console. The C-2000 is designed to offer a selection and control of a single base station, along with selection of up to 100 frequencies. Frequency selection can be programmed in the single function tone mode, offering up to 16 frequency selections, or put into a dual tone mode offering up to 100 frequency selections. A large

LED display provides channel numeric indication.

Multiple consoles may be easily programmed by using the serial port located on the back of each console. Unlike other manufacturers' equipment, no additional software is required to program the C-2000 console.

Special features such as time duration of the PTT, audio delay, function tones and programming the function tone frequencies in any position, along with choosing dual function selections may be programmed via the keypad. Further level adjustments can be made without opening the case

by keypad programming.

The C-2000 offers crossmute and supervised capability and a programmable squelch control feature eliminating the unwanted noise that is generally associated when monitoring the line.

Other features include Monitor, Intercom, 16 digit DTMF keypad and an auxiliary audio input, external DC power, PTT, and receive audio connections.

Used with our mating 223C series adapter panels, the C-2000 virtually offers all your needs and requirements for controlling your remote base stations.



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Front panel controls

- Programmable Single or Dual function tones
- Up to 100 frequency control
- MONITOR
- INTERCOM
- PTT button
- 16 digit DTMF keypad
- Volume controls
- TX DETECT LED for selected audio

Three Simultaneous Microphones

- Handset/Headset
- Panel Mic
- Desk Mic

Features

- 2 or 4 wire (field Programmable)
- Simplex/full duplex (field Programmable)
- Programmable squelch control
- TX Monitor
- Supervised control
- Crossmute (hardwire)
- TX notch filter

Special features

- ◆ Programmable level settings via keypad
- ◆ External PTT
- ◆ External audio input
- ◆ External DC input
- ◆ Data port for cloning to other C-2000 consoles
- ◆ External speaker output
- ◆ Panel 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: 1.7 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: ± 1.5 db, 300 to 3000 Hz, except at the transmit tone notch frequency

Tone Frequencies: PTT/guard 2175Hz or 2300Hz, The monitor and frequency function tones are programmable from 400Hz, to 3000HZ up to 100 combinations, Accuracy ± 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 Vega-manufactured 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 Vega 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.