



Model C2000 & C2000-HS

The Cyfas C-2000 is a full featured, full function, radio-tone control console and encased in an attractive, durable housing. The C-2000 is a DSP designed unit which can be field programmed 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.

Analogue Tone Remote Single Line Small Footprint Controller

- Police and Fire Service
- Public Safety Sports and Stadiums
- Utility and Energy Companies
- Railway and Airlines Industries
- Environmental Agencies

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.

Several level adjustments can be made, without opening the case, by keypad programming. The C-2000 offers cross-mute 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 any industry standard TRC compatible radio or with our mating DSP223 series adapter panels, virtually offers all your needs and requirements for controlling your remote base stations.

Specifications

Line Input and Output Impedance:
Two-Wire: 600, or 1 Meg Ohm, jumper selectable, Transformer isolated
Four-Wire TX Line: 600 or 1 Meg Ohm, jumper selectable, Transformer isolated.
Four-Wire RX Line: 600 or 10 K 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: 8% maximum at full output
Hum and Noise: 35 db below operation Levels
Speaker (one): 3 in, 8 ohm, heavy-duty
Amplifier Power: 1.7W Maximum at 3 % THD into an 8 ohm load or equivalent
Optional Handset Earpiece Level: Adjustable preset level independent of speaker volume controls
Tone Frequencies: PTT/guard 2175 Hz or 2300 Hz
The monitor and frequency function tones are programmable from 400 Hz to 3000 Hz up to 100 combinations, accuracy +/- 1 Hz
Operating temperature Range: 0 to +70 degree C
Power Requirements: 230 Vac, 50Hz, 25W, or 12.0 Vdc at 1A maximum
Microphone connection: Handset and Headset are 4-wire, and the Desk microphone is 6-wire

Warranty (Limited)

All Cyfas products are guaranteed against malfunction due to defects in materials and workmanship for one year, 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 period, if delivered to the Cyfas 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.
Specifications are subject to change without notice.

Front Panel Controls

Monitor
Intercom
PTT Button
16 Digit DTMF Keypad
Volume Control
Parallel TX LED Detect
Frequency Selection
Three Simultaneous Microphones
Handset/Headset
Panel Mic.

Optional

Model C2000-HS has telephone handset
Desk Mic MD-MS also available

Features

Programmable Single or Dual Function Tones
Up to 100 Frequency Control
2 or 4 Wire (Field Programmable)
Simplex/Full Duplex (Field Programmable)
Programmable Squelch Control
TX Monitor
Supervised Control
Cross-mute (hardwire)
TX Notch Filter
Alert Tone-warble
15 Programmable DTMF Addresses
Parallel Console Update
Special Features
External PTT
External Audio Input
External DC Input
Data Port for Cloning to Other C-2000 Consoles
External Speaker Output
Panel Microphone

Supplied & approved in the European Union by:--

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