



Features

- **Graphical User Interface with Custom Profile Settings**
- **Touch-screen, Wand, or Mouse Operation**
- **Available in 4, 8, and 12 Channel Control**
- **4 Channel Expansion Kits Support System Growth**
- **16 - Frequency Control / Channel**
- **Accommodates 10 Consoles per System**
- **Supports Tone, DC, and E&M Control Types**
- **Includes Paging Encoder for Individual or Group Paging**
- **DTMF Decode for Automatic Number Identification**
- **Provides Telephone Interface Capability**
- **24-Hour Clock**
- **Supports Headset, Gooseneck Mic, Desk Mic, and Footswitch**
- **Easy to use Windows® - based Programming Application**
- **Audio Output to Logging Voice Recorder**

Applications

- Police, Fire, Ambulance
- Utilities, Taxis, Airlines
- Forestry, Parks, Recreation
- Industries, Municipalities, Construction
- Security and Public Safety

The ICP9000 NAVIGATOR Series Console provides all the features and functionality of our popular ICP9000 series desktop consoles in a modern Graphical User Interface (GUI) format. All pushbutton and indicator functionality is located on an interactive computer display supporting touch-screen or mouse operation.

The ICP9000 NAVIGATOR Master Control Unit (MCU) can be neatly stored beneath a desk, on a wall, or in an electronics rack. This unit is capable of controlling up to 12 conventional base radios and supports multiple dispatcher locations. The unit is available in 4, 8, or 12 channel configurations and is easily expandable to meet future needs. The unit is field-programmable using GAI-Tronics' Windows®-based CARD Suite application software (XAC1000A). This software provides smooth navigation and programming and is backward compatible with similar consoles.

The GAI-Tronics NAVIGATOR's flexibility allows dispatchers to move icons and color-code radio channels to create and save unique user settings. Unused or idle channels can be "rolled up" to hide the control buttons for that channel, and the paging keypad will only be displayed when active. Other infrequently used controls can be hidden until ready for use.

The ICP9000 NAVIGATOR is feature rich and provides the dispatcher with complete system control. The dispatcher can choose single or multiple channels to transmit and receive audio. The audio is routed to volume controlled select and unselect speakers (left and right PC speakers). The unit always includes DTMF Decode, Paging Encode and 16-frequency control per channel as standard features.

In addition to the ICP9000 NAVIGATOR's standard features, a variety of options and field install kits are available to provide enhanced control of the radio system. These options provide the unit with DC control, Telco interface, E & M signaling, supervisory control for priority conversations, telephone interface, and battery revert to prevent downtime during a power outage. Hands-free microphone accessories such as headset, desk microphone, and footswitch are also available.

The ICP9000 NAVIGATOR works in conjunction with standard GAI-Tronics Tone (ITA2000A) and DC (IDA1000A) adapters. A single adapter is placed local to the radio and can control up to 10 consoles.

Note: The ICP9000 Navigator supports the use of MDC-1200/STAT ALERT (Removal of logging recorder output module required).

Radio Dispatch Console NAVIGATOR

Specifications

General

Temperature Range 0° to +50° C
 Humidity 95% at 50° C
 Physical Size (MCU) 8.75 H x 17.0 W x 11.3 D inches
 Rack-mount Size5U
 Power Input 120/240 V ac, ± 15% 47 to 63 Hz with external power module; or + 10.5 to 18 V dc

Audio General

Audio Response ±3 dB at 3000 Hz (except guard tone notch)
 Hum and Noise Transmit - Less than 50 dB below full rated power
 Receive - Less than 55 dB below full rated power
 Audio Distortion Less than 2% THD
 Compression Normalizes input variations of 30 dB

Receiver Audio

Input -25 dBm to +11 dBm, selectable in steps
 Cross-talk60 dB below rated output levels at rated line impedance
 Input Impedance 600 ohms nominal

Tone Remote Control

Guard Tone 2100, 2175, 2325, 2800 (default = 2175 Hz)
 Function Tones 1950, 1850, 1750, 1650, 1550, 1450, 1350, 1250, 1150, 1050, 950, 850, and 750 Hz
 Default Function Tones F1 Transmit: 1950 Hz
 F2 Transmit: 1850 Hz
 F3 Transmit: 1350 Hz
 F4 Transmit: 1250 Hz
 Monitor: 2050 Hz Default: Selectable via CARD Suite Software Application

Transmit Audio

Condenser Microphone Selectable, Digital steps 1 through 5
 Microphone Sensitivity Reference 165 mV, selectable, Digital steps 1 through 5
 Audio Out to Phone Line -20 dBm to +11 dBm into 600 ohm load
 Line Balance70 dB at 1000 Hz
 Note:

DC Remote Control monitor with a minimum 17-inch viewing area, and a 1024 x 768 screen resolution is recommended for touch-screen operation.
 Audio Output Line required, meeting the following parameters: F1 Transmit: +5.5 mA
 F2 Transmit: +12.5 mA
 • Windows® 2000 operating system • 2GB Hard Drive
 • 128MB Ram • Audio Card
 • P3 Processor • 32MB Video Card
 Monitor: -2.5 mA Default: Selectable via GAI-Tronics® CARD Suite Software Application

FCC Information

FCC Registration Number USA DGC 107B4053
 Ringer Equivalence Number (REN)0.1
 Network Connection (USOC) RJ11
 IC Information (Canada)
 Certification Number 8226048 A
 Ringer Equivalence Number (REN)0.1
 Connecting Method CA11A

Part Numbers, Accessories & Options

Main Consoles:

ICPN9004A 4 Channel Navigator MCU
 ICPN9008A 8 Channel Navigator MCU
 ICPN9012A 12 Channel Navigator MCU
 XAC2000A Navigator GUI Software (Included with ICPN9000 Series MCU)
 XCP0100A 4 Channel Expansion Kit

Programming Software

XAC1000A CARD Suite Programming Software
 XCP0170A CARD Suite Programming Cable

Factory Install Options: Specified by customer when order is placed

CP0010 DC Control Factory Install Option
 CP0030 25-Pair Telco Interface Factory Install Option
 CP0040 4 Channel E&M Signaling Factory Install Option
 CP0050 Supervisory Control Factory Install Option
 CP0060 External Enhanced Phone Interface Factory Install Option
 CP0070 Direct Enhanced Phone Interface Factory Install Option
 CP0080 Battery Revert Factory Install Option

Microphone Accessories:

XAAB002A Audio Accessory Box
 XHS003A Headset (Requires XCC003A & XCP0140A)
 XCC003A Headset Coil Cord with PTT button
 XCP0140A Headset Interface Box
 XDM003A Desktop Microphone
 XFS002A Dual Footswitch with PTT and Monitor Paddles

Field Install Kits: Upgrades available for installation by customer

XCP0010A DC Control Field Install Kit
 XCP0030A 25-Pair Telco Interface Field Install Kit
 XCP0040A 4 Channel E&M Signaling Field Install Kit
 XCP0050A Supervisory Control Field Install Kit
 XCP0060A External Enhanced Phone Interface Field Install Kit
 XCP0070A Direct Enhanced Phone Interface Field Install Kit
 XCP0080A Battery Revert Field Install Kit
 XCP0130A Logging Recorder Output Kit

