



CS7000 CONTROL STATION FOR XG-75M AND M5300

POWERFUL AND RELIABLE COMMUNICATIONS

The CS7000 is a compact, state-of-the-art control station that provides dual-band half-duplex operation with an XG-75M, single-band half-duplex operation with an M5300, and 700/800 MHz, VHF 50W, UHF-L, and UHF-H frequencies with an XG-75M and 800 and 900 MHz frequencies with an M5300. The unit supports multiple operating modes, including OpenSky® digital operation, Enhanced Digital Access Communication System (EDACS®) or ProVoice™ trunked modes, P25 digital trunked mode, P25 digital conventional mode, and conventional analog mode.

FEATURES

Reliable access to the sophisticated data capabilities of Harris' OpenSky trunked wireless voice and data network.

P25 digital conventional or trunked capabilities for interoperability with other critical communications users.

Up to 1,024 different combinations of trunked systems/groups and up to 1,024 conventional channels.

Includes critical communications features Emergency and Dynamic Regroup as standard in the M5300/XG-75M to deliver advanced performance.

Features, profiles, and system updates are software-defined and can be reprogrammed over the air.

USER INTERFACES

The CS7000 can be operated locally with the full capabilities of its radio and CH-721 Control Unit. Additionally, the CS7000 can provide a Controller Area Network (CAN) interface that supports up to four SP-721 Desksets, which allow remote users to operate the CS7000 on a first-come, first-served basis. The SP-721 Deskset is a digital Remote Controller based on the CH-721 Control Unit, so it provides the same user interface as the CH-721.

Alternatively, the CS7000 can be operated using one of two Remote Control Systems. One is a Standard Tone Remote Control over a two-wire or four-wire telephone line interface

and the other is a Voice-over-Internet Protocol (VoIP) Remote Control System over an Ethernet network. These Remote Control Systems allow remote selection and operation on up to 16 pre-programmed system/group combinations as well as control unit button functions.

SECURE COMMUNICATIONS

Optional password protection and AES are available for maximum security. Harris radios operate the most advanced vocoder on a private wireless Intranet that provides maximum voice channel capacity.

GENERAL SPECIFICATIONS

Dimensions (H x W x D):

Desktop (excludes rubber feet)
3.5 x 17 x 13.1 in.
(8.9 x 43.2 x 33.3 cm)

Rack Mount

3.5 x 17 x 13.1 in.
(8.9 x 43.2 x 33.3 cm)

Weight:

Without Transceiver: 18 lb (8.2 kg)
With Transceiver: 24 lb (11 kg)

System Voltage:

110-120 VAC, 50/60 Hz
220-240 VAC, 50/60 Hz

Maximum Current:

4.0 Amps

Mounting:

19-inch rack mount

Programming:

- Over-the-Air Programming
- USB Interface to the radio's programming serial port
- Web browser-based CS7000 configuration through an Ethernet interface

Options and Accessories:

- Remote Interface Module for connectivity to third-party Remote Controllers
- Advanced Encryption Standard (AES)
- DES Encryption
- Over-the-Air Rekeying (OTAR)
- 7 dBd (9dBi) Directional Antenna (N-type Connector)

About Harris Corporation

Harris Corporation is a leading technology innovator that creates mission-critical solutions that connect, inform and protect the world. The company's advanced technology provides information and insight to customers operating in demanding environments from ocean to orbit and everywhere in between. Harris has approximately \$8 billion in annual revenue and supports customers in 125 countries through four customer-focused business segments: Communication Systems, Space and Intelligence Systems, Electronic Systems, and Critical Networks.

CONTROLLER SUPPORT

SP-721 Deskset Controllers

Local Remote CS7000 with an OpenSky radio

Local Remote CS7000 with a P25/EDACS/Analog radio

VoIP Remote Controllers

Local Remote CS7000 with either mode radio

Tone Remote Controllers

Local Remote CS7000 with either mode radio

*A Local Remote CS7000 using a remote mount radio can support up to five SP-721 or CH-721

Number of Supported Controllers

Up to four SP-721 or CH-721*

Up to four SP-721 or CH-721 in Parallel Mode*

Up to 21 Model 24-66 VoIP Remote Controllers

Number of Remote Controllers limited by telephone line loss

EXTERNAL CONNECTIONS

The CS7000 contains an internal power supply and internal speaker. It requires connections only to an external N-type antenna, AC power, and desk mic. The CS7000 also has a USB interface to the radio's serial port for radio programming. Additionally, the Local/Remote CS7000 includes a CAN interface, a balanced 600-ohm telephone line interface for standard Tone Remote Control, and an Ethernet interface for a VoIP Remote Control and CS7000 configuration.

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature:

Local Control Unit @ 50% duty cycle: -22 to +104°F (-30 to +40°C)

Local Control Unit @ 20% duty cycle: -22 to +140°F (-30 to +60°C)

Local Remote Unit @ 50% duty cycle: +32 to +104°F (0 to +40°C)

Local Remote Unit @ 20% duty cycle: +32 to +140°F (0 to +60°C)

Storage Temperature: -40 to 140°F (-40 to +60°C)

SAFETY APPROVALS

UL 60950-1

CSA 22.2

Please refer to the appropriate XG-75M or M5300 data sheet for additional specifications.

Technical specifications are subject to change without notice. Product sales are subject to applicable U.S. export control laws.

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INFORM AND PROTECT™