CS7000 CONTROL STATION FOR UNITY® XG-100M

The CS7000 is a compact, state-of-the-art control station that provides multiband half-duplex operation and full-spectrum multiband frequency coverage with a Unity XG-100M. The unit supports multiple operating modes, including Enhanced Digital Access Communication System (EDACS®) or ProVoice™ trunked modes, P25 digital trunked mode, P25 digital conventional mode, and conventional analog mode.

POWERFUL CONTROL STATION FOR MISSION-CRITICAL COMMUNICATIONS

FEATURES

Options to cover single, dual, or multiple land mobile radio frequency bands: VHF (136-174 MHz), UHF (380-520 MHz), and 700/800 MHz.

Interoperability with other critical communications users via P25 digital conventional or trunked mode.

Critical communications features Emergency and Dynamic Regroup included as standard in the Unity XG-100M to deliver advanced performance.

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.

SOFTWARE-DEFINED CAPABILITY

Harris radios benefit from a flexible, software-based digital radio design. Features and user profiles are software-defined and can be reprogrammed over the air.

HARRIS® TECHNOLOGY TO CONNECT, INFORM AND PROTECT™

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)

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 (9 dBi) Directional Antenna (N-type Connector)

CONTROLLER SUPPORT

SP-721 Deskset Controllers	Number of Supported Controllers
Local Remote CS7000 with an OpenSky radio	Up to four SP-721 or CH-721*
Local Remote CS7000 with a P25/EDACS/Analog radio	Up to four SP-721 or CH-721 in Parallel Mode*
VoIP Remote Controllers	
Local Remote CS7000 with either mode radio	Up to 21 Model 24-66 VoIP Remote Controllers
Tone Remote Controllers	
Local Remote CS7000 with either mode radio	Number of Remote Controllers limited by telephone line loss

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

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 @ 20% duty cycle:	-22 to +140°F (-30 to +60°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 Unity XG-100M data sheet for additional specifications.

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

HARRIS® TECHNOLOGY TO CONNECT, INFORM AND PROTECT™