



## SP-721 DESKTOP CONTROLLER REMOTE ACCESS TO CS7000

### RELIABLE REMOTE INTERFACE TO CS7000 CONTROL STATIONS

The SP-721 Desktop Controller is part of the Harris suite of mobile radio products delivering high-capacity, end-to-end digital communication. The SP-721 provides remote access for voice, data, and control of CS7000 Control Stations.

#### FEATURES

Remote voice and data access to CS7000 Control Stations.

Straightforward controls based on the CH-721 Control Unit.

Industry standard Controller Area Network (CAN) interface.

Durable construction for demanding environments. The unit meets MIL-STD-810G specifications for humidity, altitude, temperature, vibration, and shock.

#### EASY-TO-USE CONTROLS

The SP-721 Desktop Controller design is based on the CH-721 Control Unit, so it provides the same interface for ease of use. It has independent volume and display controls, three software configurable preset buttons, a recessed emergency button, and a 3x4 Dual-tone Multi-frequency (DTMF) keypad.

The SP-721 supports voice access to the radio via PTT microphone. The SP-721 contains an integral 3-Watt speaker and provides the interface to connect to an external 15-Watt speaker. The SP-721 also includes an interface for a footswitch PTT in order to support microphones/headsets that do not contain integral PTT switches

and to support operators who prefer to use footswitches.

#### INDUSTRY STANDARD INTERFACE

The SP-721 includes the industry standard Controller Area Network (CAN) 2.0B interface for connecting to radio products. The CAN interface allows flexible mounting of control stations. Support is provided for up to four SP-721 Desktop Controllers or other CAN peripherals.

#### HIGH-VISIBILITY DISPLAY

The SP-721 operates on a standard 15-character vacuum fluorescent display suitable for high visibility. Backlighting helps maintain visibility in low-light environments.

## GENERAL SPECIFICATIONS

### Dimensions (H x W x D):

3.87 x 12.75 x 8.12 in.  
(9.82 x 32.38 x 20.62 cm)

### Weight:

10.35 lb (4.7 kg)

### Operating Temperature:

+32 to +122°F  
(0 to +50°C)

### Input Voltage:

100-260 VAC  
(47-63 Hz)

### Maximum Current:

0.75A (AC)

### CAN Interface:

2.0B 500 kbps  
Supports 4 CAN peripherals

### Display:

15-character vacuum fluorescent  
(alphanumeric)

### Construction:

Molded plastic/sheet metal

## AUDIO INPUT/OUTPUT

Maximum Audio Input Level (Vpp):	2.5
Frequency Response:	300 Hz to 3.0 kHz
Sampling Rate (kHz):	8.0
Maximum Audio Distortion (%):	5
Internal Speaker (W):	3
External Speaker Output Power:	15W 4Ω

## REAR PANEL CONNECTIONS

### Connector

DB-9	Same functionality as CH-721
DB-25	Same functionality as CH-721
CAN (2 connectors)	Same functionality as CH-721
EXT PTT	3.5 mm mono jack (CH-721 and radio to be programmed for external PTT on Input 1)
EXT SPKR	1/4 inch mono audio jack (breaks audio to internal 3W speaker for external 15W speaker)

## ENVIRONMENTAL SPECIFICATIONS

Standard	Parameter	Methods & Procedures
MIL-STD-810G	Low Pressure	500.5, Proc. I, II
	High Temperature	501.5, Proc. I, II
	Low Temperature	502.5, Proc. I, II
	Temperature Shock	503.5, Proc. I-B
	Humidity	507.5, Proc. II
	Basic Transportation Vibration	514.6, Proc. I, Category 4
	Functional/Basic Shock	516.6, Proc. I
ESD		EN 61000-4-2

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

### 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.

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