

# Model 4010 Radio Dispatch Console

## Model 4010 Radio Dispatch Console



The Model 4010 (Desktop) and Model 4010R (Rackmount) Radio Consoles are self-contained, single position radio console systems which accommodates up to 12 radio channels and 2 telephone lines. The units are compact and versatile.

The Model 4010's modular design and programmability allow the unit to be configured to meet a wide range of public safety, government, institutional and industrial applications.

The Model 4010 is rigidly constructed, and is rated for continuous 7 day/24 hour applications with a proven track record of field reliability under the most demanding conditions. It is also suitable for portable applications, such as temporary or mobile Control Centers.

The Model 4010 has programmable function buttons for functions such as group call, channel select, channel mute, and channel patch. There is an integral keypad and LCD to display incoming calls. Two separate speakers are provided to allow the operator to hear selected and monitored audio, with volume levels adjusted on each individual channel. The operator options include a handset, gooseneck or desk microphone, headset and footswitch. Base station control is local or remote, using tone remote control 2970 Hz keytone, DC or E.

### Standard Product Features and Configuration

- ✓ Expandable rackmount or office-styled desktop configuration
- ✓ Flexible paging encoder
- ✓ Supports DTMF, Motorola/GE Two-Tone, Plectron, 5/6 Tone, Quick Call I (2+2), Knox, and Rotary Dial

- ✓ Accommodates most industry standard radio interfaces including: Tone Remote, DC Remote, Local Control and E
- ✓ Supports one or two telephone lines with intuitive controls: “answer”, “release”, and “hold”

## SPECIFICATIONS

<b>TRANSMIT ELECTRICAL SPECIFICATIONS</b>		Channel Control:	Local, E & M, Tone Remote, DC Remote, Telephone (tip/ring)
Audio Output:	+10dBm max. into 600 ohm line	Local Control:	PTT normally open relay contact rated 1.0 A at 24 VAC/DC
Output Impedance:	Transmit: 600 ohm balanced Idle: 600 or 3500 ohms	E & M Control:	Tx control via PTT relay, external 48V required
Distortion:	<2% at full output. Hum, Cross-Talk all -50 dB at full output	Tone Control:	15 standard tones supported, programmable (no trimmer adjustment) 650-2050 Hz. High Level Guard Tone duration 120-600 msec. Function Tone Duration 40 msec. Guard Tone Freq. 2175 Hz, alterable. Tone freq. accuracy +/-0.2%; timing accuracy +/-1.0 %
Microphone Input:	-65 dBm for full output		
Aux. Mic Input:	-20 dBm for full output		
Page/Spare Input:	-15 dBm, not compressed		
Frequency Response:	-3 to +1dB from 250-5000 Hz except guard tone notch		
Compression:	Input level increase of 30 dB above knee of compression causes <3 dB output increase		
<b>RECEIVE ELECTRICAL SPECIFICATIONS</b>		DC Control:	Programmable for +/-2.5, 5.5, 6.0, 11, 12.5, and 15.5 mA. Operable up to 8K ohm loop resistance Accuracy +/- .25mA
Input Impedance:	600 or 10K ohm (4-wire) 3500 ohm (2-wire)	Busy Chan. Detect:	Local Cross-Busy detection; Guard Tone or DC Control detection (LOTL) optional
Line Balance:	66 dB at 1000 Hz	Power Input:	13.5 VDC, 3.5A max or 95 to 250 VAC, 47 to 440 Hz 64 watts max Battery: 11.5 to 15 VDC, 3.5A max
Rx Sensitivity:	-30 dBm max. at knee of compression; adjustable	Aux Output:	4-Form C contacts rated 0.5 Ampere 4-Open collector outputs rated 0.25 Ampere
Frequency Response:	-3 to 1 dB from 250-5000 Hz except guard tone notch		
Compression:	Input level increase of 30 dB above knee of compression causes <3 dB output increase		
Distortion:	<2%		
Call Light:	Sensitivity 20 dB below knee of compression		
Audio Outputs:	5 watts into 4 ohms	Aux Inputs:	8-TTL inputs (0-5 VDC)
Mute:	Programmable from 0 to -28 dB or full mute “All-mute” time programmable		
<b>PHYSICAL SPECIFICATIONS</b>			
Size:	Desktop: 9” high x 18” wide x 14” deep Rackmount: 10.5” high x 19” w x 10.5” deep		
Weight:	15 lbs		
Dust/Liquid Ingress:	NEMA 1, IEC 60529 IP 30		
Operating Temp:	+5°C to +50°C		
<b>OTHER ELECTRICAL SPECIFICATIONS</b>			
Channel Interface:	Tx/Rx Audio pair (for 2w/4) Rx Audio pair (for 4w) PTT relay contact Busy out		

Busy in / X-Mute in Supv control / main-stby Recorder Out		
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**Model 4010 - Radio Dispatch Console - Control Center**