

MODEL CM300 CONSOLE MOUNT USER STATION MODEL SPK300 PORTABLE SPEAKER STATION

HEADSET / SPEAKER STATION / TWO CHANNEL OPERATION

RTS SYSTEMS



MODEL CM300

The CM300 Console Mount Headset User Station is designed for permanent installations where headset/handset operation is required. The package is designated to be secured in a desk top or console top surface. For convenient access, all operating controls and headset connections are located on the front panel.

To facilitate mounting, the front panel extends beyond the housing to overlap the cut-out in the mounting surface. The CM300 can be installed juxtaposed to various other operational electronic equipment.

In addition to its standard intercom functions, the CM300 can be used as a convenient adjunct to other communications equipment such as IFB systems, radio telephone transceivers, slate mic and paging systems, etc. The headset microphone output can be fed to the external equipment in a switched or unswitched mode, while the headphone amplifier can receive signals prior to or after the volume control. Standard options provide the necessary input and output connections required for interfacing.

Practical operating features include two channel selection, latching and momentary-action microphone on-off switches, and a headphone volume control.

User-oriented features include a microphone limiter circuit for equalizing levels, or ease of operation.

Most any type of headset may be used with the CM300; low-Z or high-Z headphones, with dynamic or carbon 1 microphone. The carbon microphone headset connection also accepts "Plantronics" telephone-type headsets.



MODEL SPK300

The SPK300 Portable Speaker User Station is designed to work within the TW Intercom System. It is particularly suited for use in portable, semi-portable, or even fixed applications where a combination headset/speaker user station is required.

The SPK300 can operate in an open-listening mode with a loudspeaker and hand held push-to-talk microphone as well as privately with a headset or a handset.

In the open-listening mode, with both the loudspeaker and the microphone turned on, acoustic feedback is suppressed by adjustment of a front panel sidetone (balance) control. This control cancels the originating microphone signal in the loudspeaker.

In the private operating mode, almost any headset or handset may be used while the loudspeaker is turned off. This mode may be expanded by using the loudspeaker for monitoring and the headset or handset microphone for transmitting.

Practical operating features include two-channel selection, latching and momentary-action microphone on-off switches, a speaker on-off switch, and a headphone/loudspeaker volume control.

User oriented features include a microphone limiter circuit for equalizing levels, powerful loudspeaker/headphone amplifier, and well-placed controls for ease of operation.

Almost any type of headset or handset may be used with the SPK300, including low-Z or high-Z headphones, with dynamic or carbon microphone. The carbon microphone headset port also accepts "Plantronics" telephone-type headsets.

MODEL CM300 CONSOLE MOUNT USER STATION

MODEL SPK300 PORTABLE SPEAKER STATION

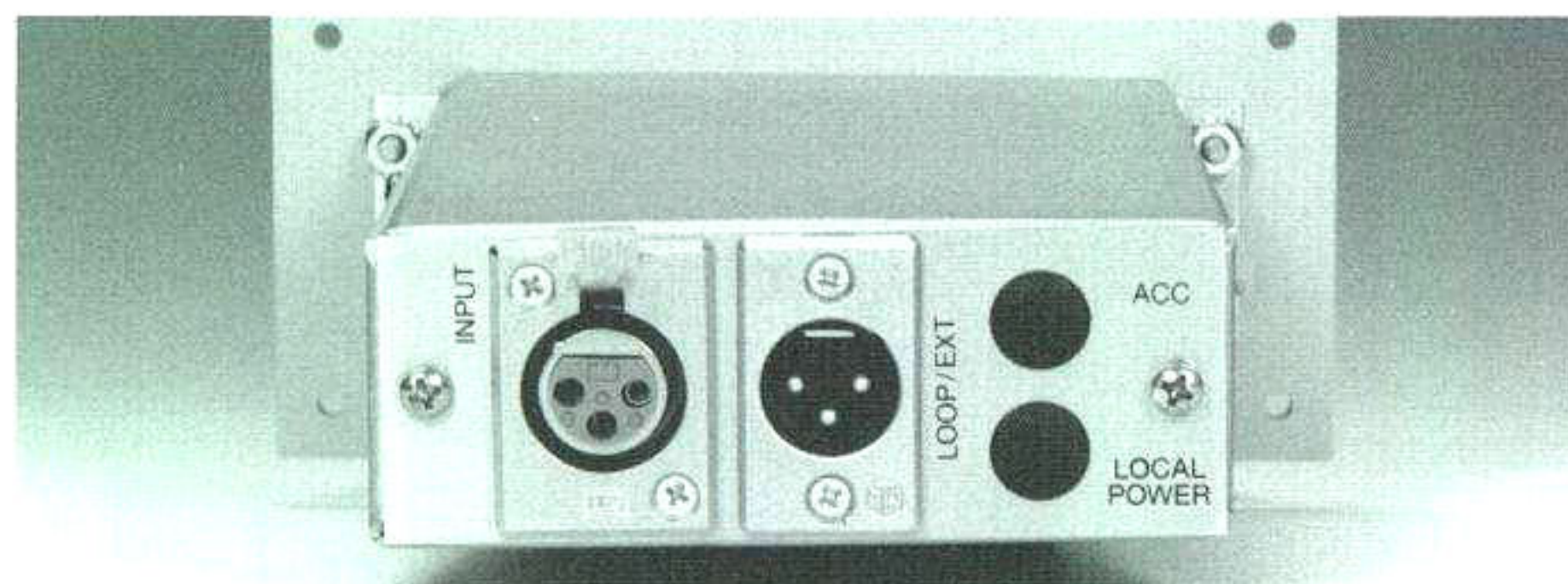
Model CM300 Specifications

Headset Connector	
Dynamic Microphone	XLR type 4-pin female
Carbon Microphone	Standard 3-circuit 1/4" phone jack
Line Connector	
Input	XLR type 3-pin female
Output	XLR type 3-pin male
Dimensions	
2.75" Hx6.00" Wx7.33" D	
69.850Hx152.40Wx186.18D mm	
Weight	
1.5 lb., 0.68 kg	
Finish	
Light gray enamel paint	

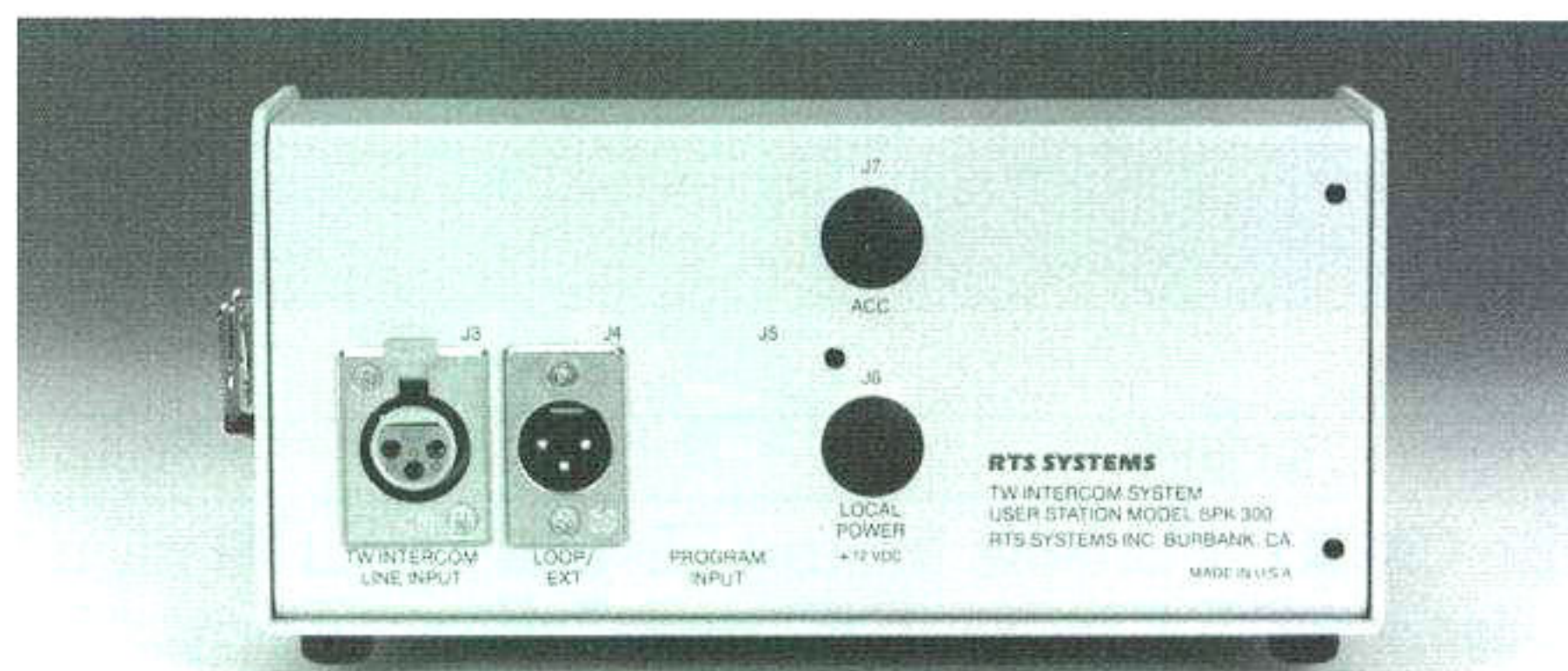
See TW Intercom System Overview – Technical Discussion for complete technical specifications.

Model SPK300 Specifications

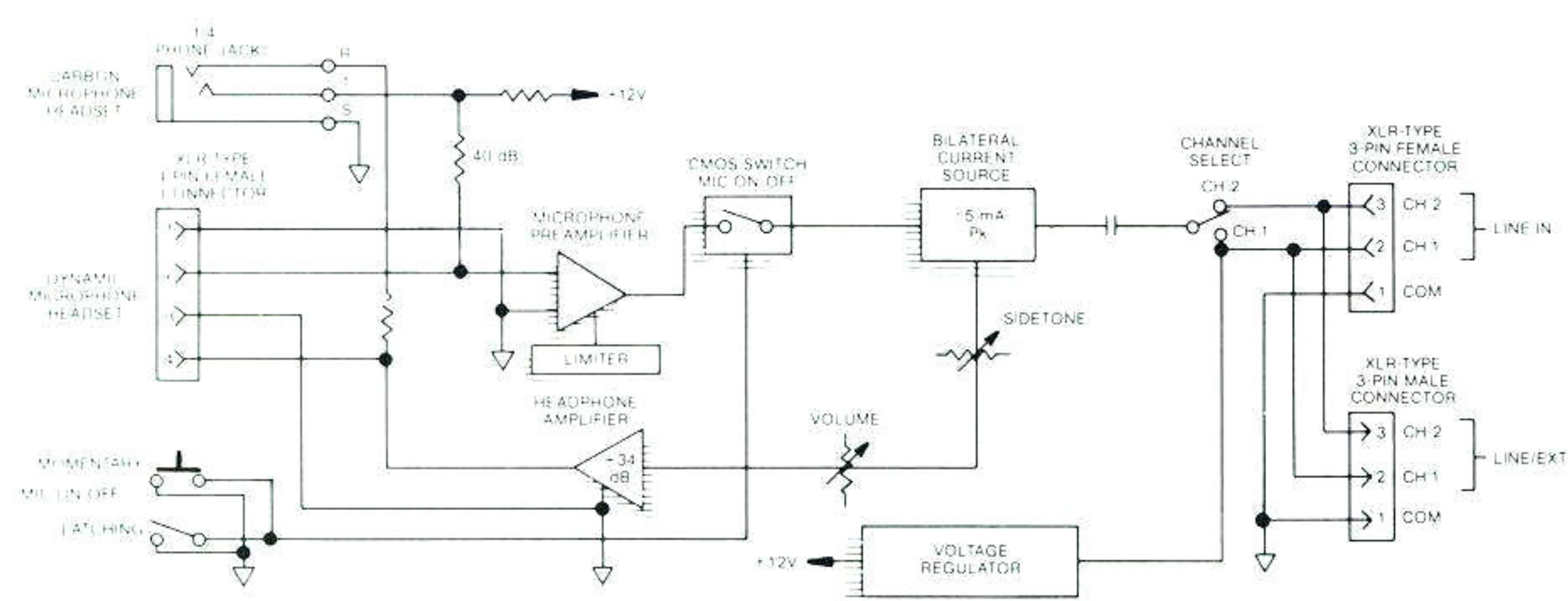
Headset Connector	
Dynamic Microphone	XLR type 4-pin female
Carbon Microphone	Standard 3-circuit 1/4" phone jack
Line Connector	
Input	XLR type 3-pin female
Output	XLR type 3-pin male
Dimensions	
4.0" Hx8.0" Wx8.0" D	
101.60Hx203.20Wx203.20D mm	
Weight	
3.5 lbs., 1.58 kg	
Finish	
Light gray enamel paint	



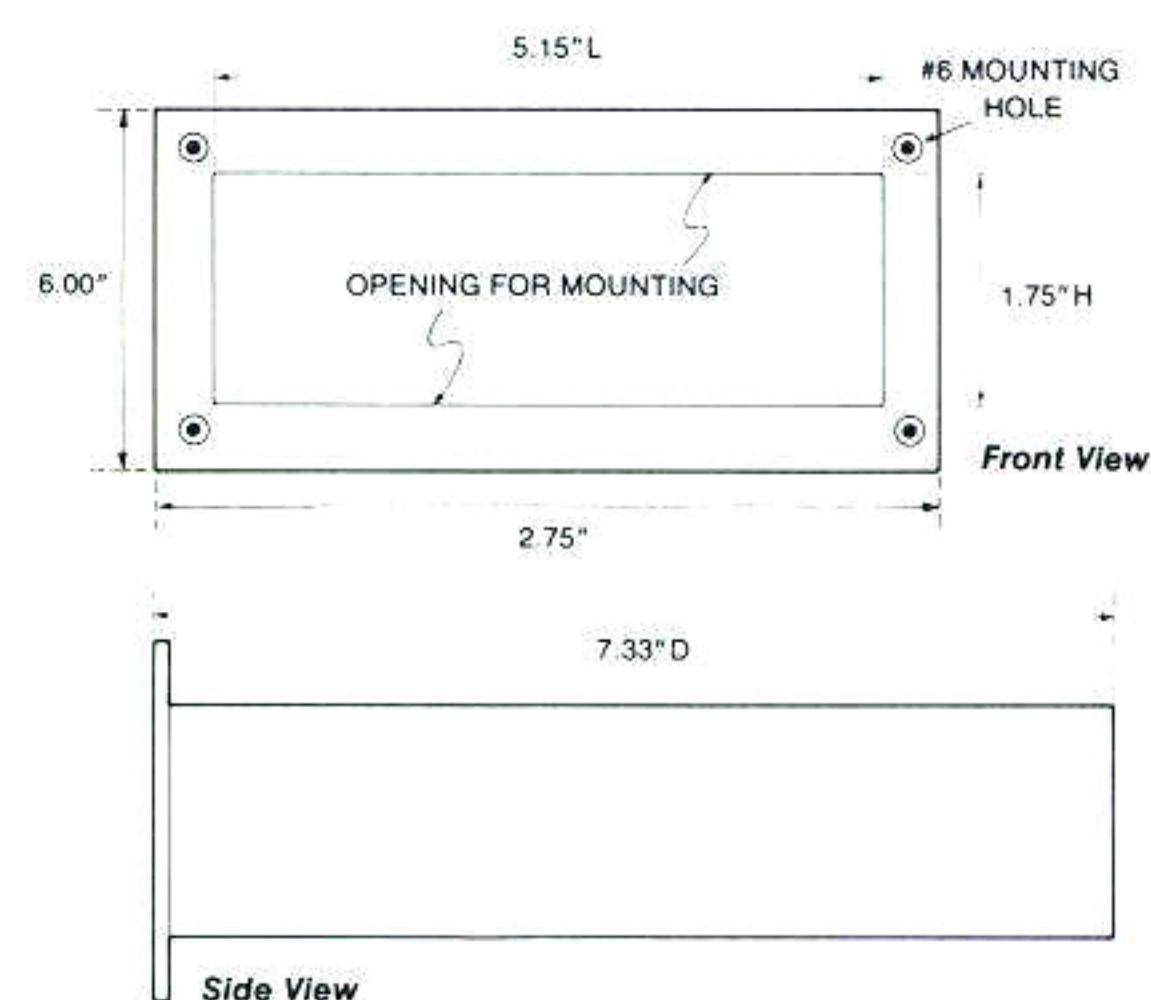
CM300 Rear Panel



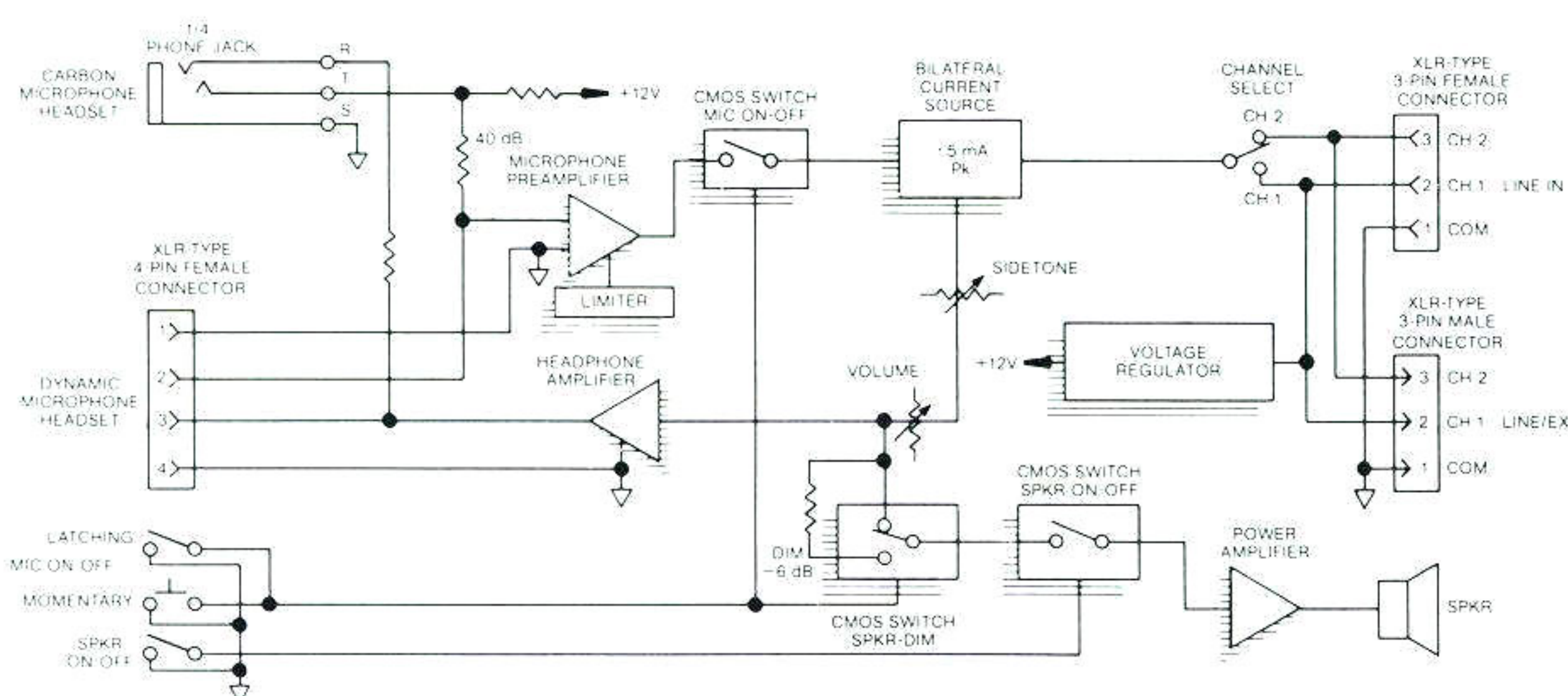
SPK300 Rear Panel



CM300 User Station Block Diagram



CM300 Installation Dimensions



SPK300 User Station Block Diagram

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