

SM1

Source Master



FEATURES – THE ALTEC LANSING DIFFERENCE

- Microphone Input with **SpeechPath** Processing
- Stereo Summing Inputs with **MusicPath** Processing
- Balanced Line Level Input
- Cat5 Plug+Play via DPL™ (patent pending)
- Drives up to Eight **CommStar™** Powered Speakers
- Expandable

GENERAL PRODUCT DESCRIPTION

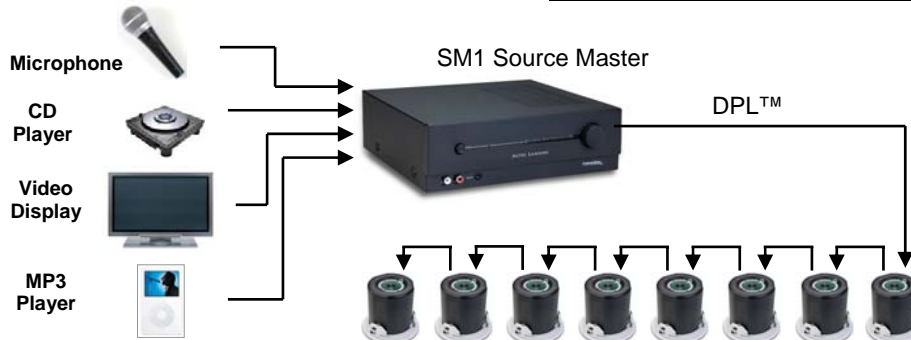
Altec Lansing's **CommStar™** is an exciting alternative to conventional 25/70/100V distributed sound systems. A typical system consists of one or more power supplies connected via Cat5 to high-fidelity powered speakers. The Cat5 carries supply voltage and digital audio to the speaker(s).

The SM1 Sources Master will drive up to eight (8) CommStar™ powered speakers. The SM1 features a microphone input with Automatic-Gain-Control (AGC) and DSP processing that delivers consistent speech performance from a wide range of microphone types. Separate bass & treble controls for the microphone input assure quality sound regardless of the application. The level control for the microphone input is on the back panel to reduce the risk of unauthorized adjustment. Two stereo inputs (RCA and 1/8" mini) on the front panel and two stereo RCA inputs on the back panel provide a convenient way to input program sources from video monitors, projectors, DVD, CD, and most professional or consumer stereo devices. Stereo inputs are summed to mono. A front panel volume control and/or optional Remote-Volume-Control (RVC) provide level adjustment for music program inputs. A balanced aux input accepts line level audio from other professional audio systems. A Link Out function to another power supply allows for system expansion.

APPLICATIONS

The **CommStar™** SM1 Source Master, with appropriate powered speakers, is perfect for sound reinforcement and/or public address needs. Meeting rooms, classrooms, waiting rooms, and retail spaces are only a few of the applications where the SM1 can deliver high-fidelity music and articulate speech without a trained operator.

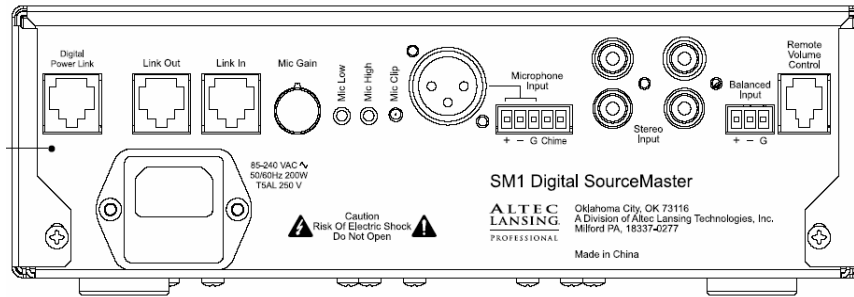
The **CommStar™** SM1 Source Master is a plug-n-play solution.



GENERAL SPECIFICATIONS

Microphone Input		
<i>Back Panel:</i>	XLR-3 or Euroblock	balanced
	Level Control	
	LF Cut	screwdriver adjust
	HF Cut	screwdriver adjust
	Signal / Clip LED	green/red
<i>Internal:</i>	Gain Selection from 20 to 60 dB	jumper
	48Vdc Phantom Power	jumper
	Enable MusicPath Ducking	jumper
Pre-Announcement Chime		
<i>Back Panel:</i>	Contact Closure Activated	Euroblock
Stereo Inputs		
<i>Front Panel:</i>	Level Control	
	Dual RCA Jacks	-10 dB Sensitivity
	Stereo Mini Jack	-10 dB Sensitivity
<i>Back Panel:</i>	Dual RCA Jacks	-10 dB Sensitivity
	Dual RCA Jacks	0 dB Sensitivity
Balanced Input		
<i>Back Panel:</i>	Euroblock	line level
<i>Internal:</i>	Select SpeechPath (default) or MusicPath	
Digital Power Link "DPL to Speakers"		
<i>Back Panel:</i>	DC power & digital audio to speakers	RJ45
Digital Link Out "Link Out"		
<i>Back Panel:</i>	expansion port	RJ45
Digital Link In "Link In"		
<i>Back Panel:</i>	expansion port / AES-EBU input	RJ45
	(48kHz sampling rate)	
Remote-Volume-Control (RVC)		
<i>Back Panel:</i>	connect optional model 1RVC	RJ11
Connections		
	standard Cat5 cable with RJ45 terminations	
	SM1-to-first Speaker	<100 ft recommended
	SM1-to-Last Speaker	<600 ft recommended
Dimensions		
	3.2"H x 9.5"W x 9.2" deep	
	81mm x 242mm x 234mm deep	
Weight		
	6.2 pounds (2.5 kg)	shipping weight
	5.0 pounds (2.3 kg)	net weight
Power Requirements		
	85 - 240VAC, 50 – 60 Hz, 200 watts	
Accessories		
	model 1RMK	rack-mount kit (2RU)
	model 1RVC	remote-volume-control

Rear Panel View



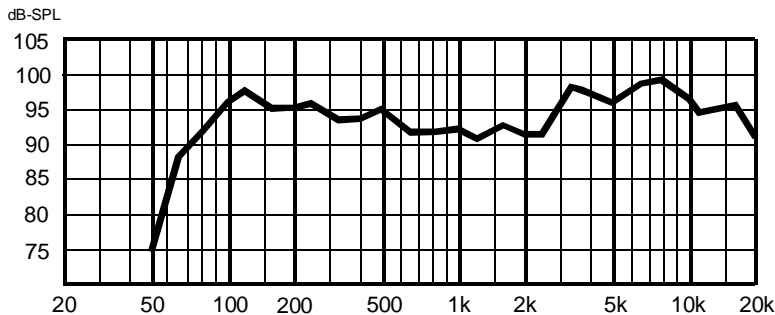
ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

The unit shall be a mixer, A/D converter, and power supply capable of driving up to eight of the CV6 or equivalent loudspeakers. The Source Master shall include an internal power supply capable of fully operating on voltages from 90 to 240Vac and 50/60 Hz.



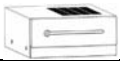


Four (4) unbalanced inputs on the front panel and four (4) on the back panel shall sum and route music inputs to the internal MusicPath for program specific DSP processing. A front panel volume control shall provide adjustment of only MusicPath levels. A remote-volume-control port (RJ11 connector) on the back panel shall replicate the front panel volume control. A microphone input shall be located on the back panel (paralleled XLR and Euroblock connectors). The microphone input shall route to the internal SpeechPath for program specific DSP processing. The microphone input shall have peak light and bass/treble cut controls located on the back panel with Phantom Power enable and Gain selection internal jumpers. The microphone input shall have a back-panel mounted level control. A detected microphone input shall reduce MusicPath audio by 10dB (disable with internal jumper). A single-tone pre-announcement chime shall be triggered on the back panel with a contact closure. An electronically balanced professional input shall be located on the back panel (Euroblock connector). Signal connected to the balanced input shall be routed to either the MusicPath or SpeechPath using an internal jumper.

Link In and Link Out functions shall be provided for system expansion and direct AES-EBU input/output.

Output of the Source Master shall be via RJ45 connector and standard Cat5 cable. Power and digital audio for up to eight (8) CV6 or equivalent loudspeakers shall be available from one Source Master. The Source Master unit shall be covered with a five year manufacturer's warranty. The dimensions shall be 9.5 inches (242cm) wide by 3.25 inches (83cm) high by 9.2 inches (234cm) deep. The Source Master shall weigh 5.0 pounds (2.3 kg). The Source Master shall be the Altec Lansing Professional model **SM1**.



MusicPath Frequency Response: CV6 + SM1 Source Master

CV6 <i>Powered Ceiling Speaker</i>	
SM1 <i>Source Master</i>	
C1 <i>Power Converter</i>	
1RMK <i>Rack-Mount Kit</i>	
1RVC <i>Remote-Volume-Control</i>	

As we are continually striving to improve Altec Lansing products, specifications are subject to change without notice.

VISIT WWW.ALTECPRO.COM FOR

- Specification sheets in .pdf format. Download page 1 of the specification sheet for your submittals.
- One paragraph A&E Specifications in .doc format

