

# smartSMS-NET

### Networked Sound Masking System

### RL120-4ch Controller

Each RL120-4ch controller unit provides:

- 4 output channels
- Up to 30 speakers per channel
- Independent equalizer for each channel
  - 340 narrow bands automatic equalizer
  - 1/3<sup>rd</sup> octave bands automatic or manual equalizer
- High-power amplifier providing 88 dBA at 1m
- 4 inputs for active volume control sensors
- 4 music and paging inputs with independent 1/3<sup>rd</sup> octave equalizers for each output channel
- 2 inputs for wall mounted volume control knobs



#### smartSMS-NET networked sound masking system highlights:

- Simple and highly versatile without compromising sound masking performance and quality.
- Many controller units can be networked together to construct large sound masking projects.
- Adaptive volume adjustment for optimal efficiency and comfort (US Patent 8116 461)
- Automatic equalization that guarantees the optimum sound masking spectra (US Patent 7460675)

#### Specifications

Outputs  Nb Outputs  Max Nb Speakers/Output  Max Nb Speakers/Controller  Sound Masking  Sound Masking  Sound Masking Volume  30 to 88 dBA in 0.1 dB steps and mute	
Max Nb Speakers/Output 30 Max Nb Speakers/Controller 120 Sound Masking	
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Sound Masking	
Sound Masking Volume 30 to 88 dBA in 0.1 dB steps and mute	
South Masking Volume   So to do ab Am Vin our ab Steps and mate	
Sound Masking Equalizer 23 1/3rd Octaves bands from 63Hz to 10kHz	
Sound Masking Ref Spectrum 13 pre-set reference masking spectrums; unlimited user defined maski	ng spectrums from 100 to 6,3kHz
Sound Masking Volume Ramp-Up User defined, up to 30 days	
Active Volume Control	
Nb Sensor Inputs 4	
Max Nb Sensors/Input 6	
Control Independent sound masking volume adjustment for each output chan	nel
Masking Volume Change Rate Adjustable down to 0.1dB steps, updates every 15s	
Active Adjustment Range User defined; maximum range: -7 to +3 dB relative to reference maskin	g level.







## Specifications (cont.)

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Music and Paging	
Music and Paging Inputs	4
Music and Paging Mixer	Independent for each output channel
Music and Paging Volume	30 to 88 dBA in 0.1dB steps and mute
Music and Paging Equalizer	20 1/3rd octave bands
Volume Control Knobs	
Volume Ctrl Knob Inputs	2
Volume Ctrl Knob Mixer	Independent for each output channel (Sound Masking and/or Paging and Music)
Volume Range	User defined
Schedule	
Schedule	24 hour periods per day, 7 days
Volume	0.1dB steps
Transition Ramp	Instant, 2m30, 5min, 10min, or 15min
Schedule Mixer	Independent for each output channel (Sound Masking and/or Paging and Music)
Daylight Saving Time	Automatic Adjustment depending on local time zone settings
Monitoring	The same special configuration of the same special control
	outer running Project Manager Software)
LEED	
Design Feature	Controller can be put in low-power mode according to daily schedule
Schedule	7 daily periods per week (user defined)
Project Master	Tally policed political admired
Can Be a Project Master	YES
Connectivity	
Connectivity	Ethernet, Wifi, or USB (not required for normal operation)
Wifi	WPA/WPA2 Personal or WEP - Wifi radio module can be disabled if not required
Power	WITH TALL OF THE WITH TALL OF THE
Input	18-24VDC, Max 120W (24V-150 W power-supply)
Physical	10 24 V DO, Wak 120W (24V 100 W power suppry)
Size	430mm x 300mm x 75mm (16.9" x 12" x 3") (2U rack mount brackets available)
Weight	300g (0.7lb) 8.6kg (19lb)
Warranty	acody (c. rib) c.o.kg (1 rib)
Warranty	5 years
Certifications – ETL Listed 3191772	o years
	Audio Video and Similar Electronic Apparatus – Safety Requirements
	Audio, Video and Similar Electronic Apparatus – Safety Requirements
	eat and Visible Smoke Release for Discrete Products and Their Accessories Installed in Air-Handling Spaces
FCC – EN 55103-1&2 – Electromagnet	eat and Visible Smoke Release for Discrete Products and Their Accessories Installed in Air-Handling Spaces ic compatibility-Product family standard for audio, video, audio-visual and entertainment lighting control
FCC – EN 55103-1&2 – Electromagnet apparatus for professional use - Part 1	eat and Visible Smoke Release for Discrete Products and Their Accessories Installed in Air-Handling Spaces ic compatibility-Product family standard for audio, video, audio-visual and entertainment lighting control
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FCC – EN 55103-1&2 – Electromagnet apparatus for professional use - Part 1 Related ASTM Standards ASTM E1374-06 (11) – Standard Guide	eat and Visible Smoke Release for Discrete Products and Their Accessories Installed in Air-Handling Spaces ic compatibility-Product family standard for audio, video, audio-visual and entertainment lighting control
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