

# MHPSS

## Mobile High Powered Speaker Station

A high powered outdoor PA speaker mounted on a sturdy steel trailer for easy transport. Provides 1600 Watts of continuous audio output power for reliable alert tone notification and delivery of pre-recorded messages in emergency situations or for public address. Designed for temporary usage including military installations, sporting events, large public gatherings or construction sites where a permanent mass notification system is not cost-effective.

### KEY FEATURES

- Exceptional acoustic performance and intelligibility
- Message encryption and security coding prevents unauthorized system activations
- 1600 Watts of continuous audio output power
- Up to 255 pre-recorded voice messages with up to 100 hours of recording time
- 60 minutes of continuous tone operation\*
- 7 days of standby time without AC power
- 10 standard alert tones plus live PA broadcast ability
- Automatic gain control for consistent output volume
- Remote control, monitoring, and activation
- Redundant communication paths available for larger
- MNS systems: IP (Ethernet), radio (UHF/VHF), fiber, twisted pair/phone-line, satellite, and cellular\*
- Solar panel\*



PHYSICAL ATTRIBUTES	HPSS 1600	Trailer	400W Speaker
Length:	40"	184"	19"
Width:	23"	80"	21"
Depth:	15"	22"	24.34"
Weight:	118 lbs	2500 lbs	45 lbs
ENVIRONMENTAL CHARACTERISTICS			
Temperature:	-40°C to +60°C		
Humidity:	0 to 95% non-condensing		
ELECTRICAL CHARACTERISTICS			
	HPSS 1600 Watt	HPSS 3200 Watt	
Supply Voltage:	120VAC 60Hz, 240VAC 50Hz	120VAC 60Hz, 240VAC 50Hz	
Supply Current Max:	5A	3A	
Standby Current (24 VDC):	550mA typical §	550mA typical §	
Standby Time (without AC):	> 7 days §	> 7 days §	
Activation Time Max:	60 minutes (steady tone, full power) §	60 minutes (steady tone, full power) §	
Battery Backup:	2 to 12V 100AH*	2 to 12V 100AH*	
Radio Power Supply:	12V DC, 12A max*	12V DC, 12A max*	
COMMUNICATION I/O			
Communication (to AT1 units):	UHF/ VHF RF, IP, Ethernet-over-Fiber, Telephone/ Twisted - DSL, Cellular, and Satellite		
RS485/RS232 Port:	1 maximum (either RS485 or RS232)*		
Signaling Inputs:	8 maximum (configurable)*		
Signaling Outputs:	8 maximum (configurable)*		
Audio Out (for PA or FACP):	Configurable 300/600 ohm balanced or unbalanced*		
PRE-RECORDED MESSAGES/TONE CHARACTERISTICS			
Alert Tones:	10 pre-configured alert tones		
Recorded Messages:	255 max		
Recording Time Max:	100 hours (depends on recording content)		
AMPLIFIER CHARACTERISTICS			
	HPSS1600	HPSS3200	
400W Speakers:	Up to 4	UP to 8	
Output Voltage:	25V	25V	
Power max (audio/strobe):	1600W RMS	3200W RMS	
Audio Bandwith:	250Hz to 5kHz	250Hz to 5kHz	
Output Regulation:	< 1dB no load to full load	< 1dB no load to full load	
Amplifier Efficiency	90%	90%	

\* Additional hardware/firmware may be required.

§ Assuming 2 or 4 12V 100AH batteries