

MD652-RSM

Digital Mobile Radio with wireless controller

What do these guys have in common?



Answer....

A need for, THIS



The MD652-RSM is the ideal mobile radio for power utilities, fire departments, and any other VHF or UHF mobile radio user; analog or DMR digital, or both! Mount it anywhere - all the control functions and a powerful 1W speaker are in the handheld controller!



If there ever was a radio made for a fire truck or utility truck, it is the MD652-RSM. This changes everything you ever had a radio for people who work both inside and outside the vehicle. Your wireless controller does it all, both inside and outside the vehicle, up to 30 feet away. And the cost? A WHOLE lot less than you may expect! And the flexibility? Nothing integrates better with hearing protection headsets and vehicle intercoms, AND we can provide a complete wireless four passenger crew cab system for LESS than the cost of a wired system, and a WHOLE lot less than competitive wireless system. For more information on the MD652-RSM as a part of an integrated hearing protection system, please visit <http://lp.sensear.com/smartcrew>. For more information, a demonstration, and/or pricing, just give us a call at 800.489.2611.

Specifications

General	Frequency Range	VHF: 136174MHz UHF:1400470MHz		
	Channel Capacity	1024		
	Zone Capacity (each with a maximum of 16 channels)	64		
	Channel Spacing	25 / 20 / 12.5KHz		
	Operating Voltage	13.6V ±15%		
	Current Drain	Stand By	< 0.6A	
		Receive	< 2.0A	
		Transmit	1W: <3A ; 25W: <8A	
	Frequency Stability	±0.5ppm		
	Antenna Impedance	50 V		
	Dimensions (HxWxD)	6.5 x 1.81 x 5.5 inches		
	Weight	2.31lbs		
	FCC ID	See website for full list		
Industry Canada ID	See website for full list			

Environmental Specs	Operating Temperature	-22° F ~ +140° F	
	Storage Temperature	-40° F ~ +185° F	
	ESD	IEC 61000 - 4 - 2 (level 4) ±8kV(contact) ; ±15kV (air)	
	American Military Standard	MIL-STD-810 C/D/E/F/G	
	Dust & Water Intrusion	IP54 Standard	
	Humidity	Per MIL-STD-810 C/D/E/F/G Standard	
	Shock & Vibration	Per MIL-STD-810 C/D/E/F/G Standard	

RSM	Operating range	10 meters (32 feet)	
	Audio output	1 watt	
	Battery life (Inactive-Active)	Up to one month inactive, 16 hours active	

Note: The RSM controller (P/N SM27W1-ADA-01) is supplied with a dash hang up charger base, DC power cord with cigarette lighter to micro USB connector. Direct charging to RSM from most cell phone chargers is also possible. A standard wired microphone is included at no additional charge. Antenna and installation not included. GPS is also available as a low cost option. Factory warranty is three years.

20KHz / 25KHz will not be available on new equipment in the U.S. after January 1st, 2011

Hytera reserves the right to change product designs or specifications at any time. If you have any questions regarding the accuracy of this information please contact your local sales representative or Hytera directly.

HYT, Hytera are registered trademarks of Hytera Co., Ltd. © 2013 Hytera Co., Ltd. All rights reserved.



Transmitter	RF Power Output	1-25W	
	FM Modulation (Analog Emissions Designated)	11K fF3E @ 12.5KHz ; 14KfF3E @ 20KHz ; 16KfF3E @ 25KHz	
	4FSK Digital Modulation (Digital Emissions Designated)	12.5KHz Data Only: 7K6fFXD 12.5KHz Data & Voice 7K6fFXW	
	Conducted/Radiated Emission	-36dBm<1GHz -30dBm>1GHz	
	Modulation Limiting	±2.5KHz @ 12.5KHz ; ±4.0KHz @ 20KHz ; ±5.0KHz @ 25KHz	
	FM Hum & Noise	40dB @ 12.5KHz ; 43dB @ 20KHz ; 45dB @ 25KHz	
	Adjacent Channel Power	60dB @ 12.5KHz 70dB @ 20/25KHz	
	Audio Response	+1 ~ -3dB	
	Audio Distortion	≤3%	
	Digital Vocoder Type	AMBE++ or SELP	
Digital Protocol	ETSI-TS102 361-1, 2&3		

Receiver	Sensitivity	Analog	0.3 m V (12dB SINAD) ; 0.22 m V (Typical) (12dB SINAD);
		Digital	0.3 m V/BER5%
	Selectivity TIA-603 ETSI	65dB @ 12.5KHz / 75dB @ 20/25KHz 60dB @ 12.5KHz / 70dB @ 20/25KHz	
	Intermodulation TIA-603 ETSI	75dB @ 12.5/20/25KHz 70dB @ 12.5/20/25KHz	
	Spurious Response Rejection TIA-603 ETSI	75dB @ 12.5/20/25KHz 70dB @ 12.5/20/25KHz	
	Blocking TIA-603 ETSI	90dB 84dB	
	S/N	40dB @ 12.5KHz ; 43dB @ 20KHz ; 45dB @ 25KHz	
	Rated Audio Distortion	≤3%	
	Audio Response	+1 ~ -3dB	
	Conducted Spurious Emission	< -57dBm	



Falcon Wireless has served the needs of fire departments for over three decades and HYT/Hytera since the introduction in the USA. For information on other products of interest, please visit falcon4firefighters.us.

Hytera-Alabama.us

Address: 36 - 20th Avenue NW
Center Point, AL 35215 USA
Tel: 800-489-2611 Fax: 205.853.6178

