

# Satellite Radio

Satellite Digital Audio Radio Services

Cabin

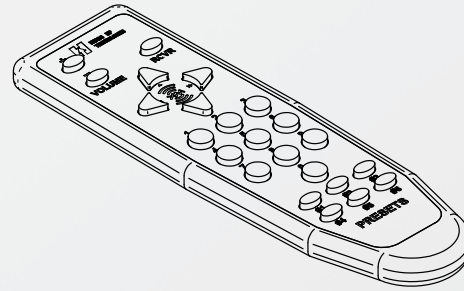
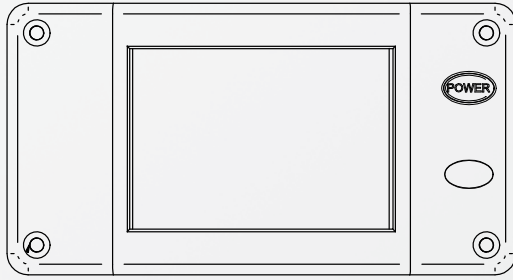


*Cruise coast-to-coast with 200 channels of satellite radio.*

Heads Up is your gateway to staying informed and entertained — on the ground and in the air — with over 200 channels of Sirius XM audio programming, delivered coast-to-coast via satellite. Satellite radio provides a vast array of choices, including your favorite music, news, sports, weather and talk programs. Stations like CNN, Fox News Channel, C-SPAN, MSNBC, Headline News, Bloomberg Radio, BBC World Service, ESPN Radio, plus dozens of music channels provide the best country, jazz and blues, rock, hits, and classical music. Best of all, they all feature the clarity of 100% digital quality. Heads Up can provide you with integrated solutions to work with cabin management systems, or stand-alone options. To hear the latest in Satellite radio, talk to Heads Up today.

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## Programming

Number of Stations	180+
Program Groups	20 (subject to change)
Nom. Station Access Time	1-3 Seconds

## Digital Audio

Sample Rate	44 kHz
Sample Size	16 Bit
Audio Outputs	1-2 VRMS

## Electrical

Microprocessor Based	32 Bit, 40 mHz RISC
Memory Type	Linear Flash
Memory Capacity	2-34 MB
Voltage (nominal)	23Vdc
Controller Current (nom)	0.3 amp w/ backlight
Receiver Current (nom)	
1 Channel	0.4 amp
2 Channel	0.6 amp
4 Channel	1.0 amp
8 Channel	2.0 amp
Antenna	Patch Type
Databus Protocol	RS-232, RS-485, CAN

## Physical

Dimensions	
Controller	3.2"x6.0"x1.4"; 17.3oz
1 Channel Receiver	1.82"x6.46"x7.8"; 1.5lbs
2 Channel Receiver	2.42"x6.46"x7.8"; 2.3lbs
4 Channel Receiver	4.6"x6.46"x7.8"; 3.5lbs
8 Channel Receiver	4.41"x11.53"x7.5"; 7.5lbs
Mounting (Control Head)	Panel
Bezel Color	Black
Display Type/Resolution	LCD; 320x240 QVGA

## Environmental

Storage Temperature	-67°~176°F(-55°~80°C)
Operating Temperature	-4°~140°F(-20°~60°C)

## Testing/Certification

Hardware Environmental	14 CFR Part 21
Software	RTCA DO-160D
	RTCA DO-178B, Level E

Specifications are subject to change without notice.

## Great Programming.

Sirius XM Satellite radio brings you the most innovative DJs, compelling hosts and renowned authorities in dozens of areas. Heads Up is your connection to some of the world's leading networks and content producers, including Bloomberg Radio, CNN, MSNBC, FOX News Channel, CNBC, NPR Now and sports programming including the NFL, Major League Baseball®, NASCAR®, NBA, NHL®, and the PGA TOUR®, major college sports and over 135 commercial free channels.

## Coast-to-Coast Satellite Coverage.

The broadcast signal is beamed from earth-station antennas to dual, and redundant, geosynchronous broadcast satellites. Their beams combine to span the entire contiguous United States ensuring seamless entertainment from New York to Los Angeles — an amazing 3,717,792 square miles of coast-to-coast coverage.

## Satellite Radio for your aircraft!

Heads Up is licensed by Sirius XM to design and manufacture satellite radio technology specifically for the aircraft environment. We can help you access products that support a wide variety of requirements, from single stand-alone systems to the most demanding multi-user, integrated systems.

## Innovation Obsessed. Solution Driven.

Heads Up was formed for one purpose: To elevate the aviation experience for pilot and passenger by providing the most innovative cockpit, cabin and aviation electrical solutions in the industry.

For information on this or any of our other products, or to discuss how Heads Up can help make your vision a reality, contact us today at [info@heads-up.com](mailto:info@heads-up.com) or call 1.800.367.4770.