



DR501 RECEIVER

With DMX MUSIC by Direct Broadcast Satellite, you get access to expertly programmed, commercial-free music; seamless message marketing playback; comprehensive management controls; and advanced digital technologies.

Superior Programming Features

- Over 100 music styles available.
- Up to 32 local controlled dayparts with min/hr/day selectivity programmable via the DMX DJ® Remote.
- TTA feature on DMX DJ® Remote displays name of song, artist and album.
- Stereo and mono capability.
- LED channel and status displays.
- Dynamic range compression: adjustable in 8 steps up to 40dB compression.
- Channel Blocking selects channels that you want to make available to play.

Unparalleled Message Marketing

- Scheduling Audio Transmission System (SATS) proprietary software commands system to play a specific ad at the scheduled time for live broadcast.
- Manages messages 20 seconds to one minute in length and includes capabilities for long-form broadcast messaging.
- Up to 6dB boost function for message playback controlled by satellite uplink center.
- Emergency schedule changer.

Technical Excellence

- Rear S/PDIF for digital audio output.
- Sealed enclosure with minimal heat generation.
- Built-in satellite alignment tone generation.
- 20-watt maximum power consumption.
- 24-bit D/A converters.
- Front panel LED display features Stereo, Mono A, Mono B, Sync, Zone Authorization, LNB Power and 3-digit channel display.
- LNB Power selectable On/Off.
- Volume control.



Audio Performance

Compression:	Dolby Digital
Sampling Rate:	44.1 kHz
Frequency Response:	20 Hz – 20 kHz ± 1.0 dB
Dynamic Range:	>90 dB
Total Harmonic Distortion:	<0.015% typical, 0.05% maximum
Output Level:	0 – 2 V rms (adjustable with Preset command for messaging)



1.800.345.5000
dmxmusic.com/business

RF Performance

Input Frequency:	950 – 1450 mHz
Input Dynamic Range:	-20 dBm to -65 dBm
LNB Power:	0.25A maximum
LNB Drift:	± 5 mHz
Audio Threshold:	5.1 dB for 10-5 BER

Power

Line:	95-130 VAC, 60 Hz
Wall Transformer:	15 VDC
Consumption:	20 Watts maximum

Front Panel

Controls:	Channel Up/Down, Power
Indicators:	3-Digit Channel Number, Sync, Auth, LNB Power, Stereo, Mono A, Mono B

Rear Panel

Analog Audio:	Left, Right, Mono
Digital Audio:	Dolby Digital, S/PDIF PCM or ACB (on V.2.0 or higher) RS232 Data Control Port
RF Input:	F connector 15VDC Power Jack

Certifications

UL 1492, CS-C22.2 No. 1-M-90 FCC Part 15B, Class A

Mechanical

Dimensions (WxHxD):	8.25" x 2.7" x 8"
Weight:	3.15 lbs.

DMX MUSIC's DBS Antenna/Dish

Channel Master 1.0M Nonpenetrating Roof Mount System	
Mount:	Fabricated Steel, 52.62" x 52.62"
Antenna Dish:	Fiberglass, 40" x 43.35"
Roof Pad:	3/8" Foam
Ballasts (WxHxD):	8" x 16" x 6" concrete blocks, 25 lbs. each
Weight:	Antenna Dish and Mount @ 78 lbs.; Ballasts @ 200–400 lbs. (in high wind areas)

