



## TECHNICAL REQUIREMENTS FOR WESTWOOD ONE X-DIGITAL (XDS) DOWNLINK

**Includes Mark Levin, Michael Savage, Ben Shapiro, Chris Plante, CBS Sports Radio, CNBC, AP News, Gordon Deal, Your Money Now, certain 24-hour music formats and Satellite Services syndicators, among other programming**

These Westwood One products and services are fed on satellite SES-11 at 105 degrees West Longitude, on Transponder 17, Vertical polarization.

XDS Receiver Frequency: 01121000 kHz (1121.0 MHz)  
9259574 sps (symbols per second)  
Rate 3/4 FEC (Forward Error Correction)

To receive these programs, your station will need:

1. Satellite Dish: We recommend a solid dish of at least 3.8 meters in diameter.

|                    |                |
|--------------------|----------------|
| DawnCo             | (248) 391-9200 |
| DH Satellite       | (608) 326-8406 |
| Superior Satellite | (406) 257-9590 |

2. LNB: You must use a C-band Phase-Locked Loop (PLL) LNB. Local oscillator stability +/- 25 kHz or tighter. Noise temperature 45°K or less. Gain 55 to 70 dB.

|                 |                |
|-----------------|----------------|
| Dawn Satellite: | (248) 391-9200 |
| Norsat:         | (604) 292-9000 |

3. Receiver: X-Digital (XDS) Pro-4 or Pro-4Q  
(Often supplied by your network or syndicator)

May also be purchased from:  
Broadcasters General Store, [buck@bgs.cc](mailto:buck@bgs.cc) or (352) 622-7700  
Orbital Media Networks (OMNi) (303) 925-1708  
(formerly Clear Channel Satellite Services)

Self-start documents are at <http://myxdsreceiver.westwoodone.com> . Mouse over the Help menu, no password required. For other questions, please contact Westwood One Affiliate Services at (888) 435-7450 (option 1, then 2) or [noc@westwoodone.com](mailto:noc@westwoodone.com).